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STATE DOCUMENTS
JAN 25 1973

MONTANA UNIVERSITY SYSTEM

ROLE AND SCOPE

OFFICE OF THE EXECUTIVE SECRETARY

Helena, Montana

Units of the Montana University System

University of Montana, Missoula	Northern Montana College, Havre
Montana State University, Bozeman	Western Montana College, Dillon
Eastern Montana College, Billings	Mont. College of Mineral Science & Technology, Butte

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ROLE AND SCOPE

December, 1972

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ROLE AND SCOPE

OF

THE MONTANA UNIVERSITY SYSTEM

The role of a university unit may be defined by the services it offers to the citizens of the state. This includes the degree programs of the unit and the non-degree programs which enable students to obtain a portion of their education before transferring to another unit of the University System.

The Montana University System is composed of six units, with differentiated roles, each of which has a responsibility for providing excellence in its service to the citizens of Montana. The two universities (University of Montana and Montana State University) are comprehensive undergraduate, graduate, research and public service institutions. They will continue to grow until they are fully developed state universities with overlapping responsibilities, except in highly professional fields, such as law, pharmacy, agriculture, and engineering. The universities are large enough so that the general programs of one need not interfere with those of the other. On the basis of necessary educational development and student demand, freedom to develop new programs should be available as faculty and administration deem warranted and as resources are available.

The state colleges are emerging from single purpose institutions and the State can look forward to Eastern Montana College, Western Montana College and Northern Montana College continuing to grow until they are fully developed undergraduate teaching institutions with responsibilities in the liberal arts through the baccalaureate level and teacher education through the masters level. Northern Montana College has had a traditional responsibility in vocational education and vocational teacher education which it will continue to develop. Montana neither needs another university, nor should graduate degrees in the liberal arts be offered at the state colleges.

The fourth state college, because of its traditional specialization in mineral science and technology is also emerging from a single purpose institution. It can look forward to developing an undergraduate liberal arts program at the baccalaureate level, as well as continuing undergraduate and graduate work through the masters level in mineral science and technology.

A unit's role also includes services to the community in which it is located as well as service to the entire state. They endeavor to provide educational services beyond the campus to the State and the region, but they cannot be expected to fulfill major public service requests without

specific allocations for this type of work. Units will respect the traditional public service roles of each unit of the university system. To a lesser degree the role encompasses the reaction of the community and the alumni in support of the university unit. The differentiated roles of each unit in the extension and public service, continuing education and other services areas are discussed comprehensively in the individual unit sections of this publication.

The less easily defined aspects of role include the expertise of faculty which is available to citizens and industries of the community, state and nation, and is commonly recognized as either organized research or departmental research. Organized reserach, both pure and applied, are an integral part of the two universities and Montana College of Mineral Science and Technology's graduate and professional programs. The quality and growth of these programs are interdependent. Of necessity, the research role of these institutions must keep pace with the demands of their graduates. Improving the instructional function of all levels of education is of no less significance. The units of the system are encouraged to engage in the kind of research that is directed towards improving the quality of our teaching methods and programs.

The scope may be defined as the extent to which the roles is being fulfilled.

EASTERN MONTANA COLLEGE

Billings, Montana

EASTERN MONTANA COLLEGE

Statement of Role and Scope

Eastern Montana College has emerged from an institution with the single purpose at the baccalaureate level of preparing teachers to an undergraduate teaching institution with responsibilities in the Liberal Arts through the baccalaureate level and Teacher Education through the masters level. From its strong Special Education offerings it has now moved into the Helping Services areas at both undergraduate and graduate levels. Additional majors in the Liberal Arts will be developed and proposed to the Board as faculty, library and student interest demand. It is anticipated that the M.S. in Education (Secondary) will be restored within the next five years. In addition to baccalaureate programs, Eastern offers the Associate of Arts degree and serves as a community college for a sizable population and geographical area.

EASTERN MONTANA COLLEGE

Extension and Public Service Statement

Adult Education Service

Eastern Montana College continues to offer a number of off-campus courses to the various communities in eastern Montana. Projects supported by the Community Service Programs, Title I of the Higher Education Act of 1965, have provided assistance for training programs of municipal employees and para-medical personnel in the Billings area. EMC is attempting, during the 1972-73 academic year, to encourage adults within commuting distance of Billings to attend regular evening classes and on-campus evening extension classes.

The program "Continuing Education for Women" which was started several years ago to encourage and counsel mature women to attend college, has been expanded to include continuing education advisory programs for all adult students both female and male.

Total quarterly enrollment for the Fall, Winter and Spring continuing education courses for the academic year 1970-71 was: 277, 340 and 173 respectively.

Special Programs

The Upward Bound Program at EMC is chiefly concerned with Montana Indians and more than 200 Indians will be enrolled in college courses this Fall Quarter.

In a pre-teaching program several EMC students are living on Indian reservations. This is a pilot project in cooperation with rural school districts which serve large Indian populations.

About 100 EMC students are involved as volunteers in the local school district with VISTA and are serving in an elementary and a junior high school tutorial program.

As an in-service training program for the nurses at the two hospitals in Billings and for others, EMC is providing instructions on methods and materials for those who are teaching student nurses.

A program of extensive swimming and gymnastics activities is provided for the community by the Division of Health, Physical Education and Recreation.

A promising program has been developed in environmental education (outdoor education) at EMC for elementary grade students and the direction of the program has been turned over to the local school district with EMC continuing to cooperate.

The Career Opportunities Program at Eastern enrolls approximately fifty undergraduate students in the Elementary Education program. The students are, for the most part, Northern Cheyenne or Crow Indians working as Teacher Aides in local reservation schools while simultaneously working on a degree program at EMC.

The Teacher Corps Program at EMC is a Graduate Program whereby twenty-one students holding a Liberal Arts Degree are working towards a Masters Degree in Elementary Education while working in the Northern Cheyenne and Crow Indian schools. This is a two-year program.

General Items

In the 1969-70 academic year, EMC put into operation its Remote Access Instructional Learning System and will continue to develop the Educational Research Information Center program which provides a great source of materials for EMC students.

The Eastern Montana School Study Council, composed of public school administrators in eastern Montana, utilizes the services of an EMC faculty member as its director and has its headquarters at EMC.

The Montana Center for Handicapped Children is located on the EMC campus in an excellent new facility.

EASTERN MONTANA COLLEGE

Research Statement

EMC is not one of the units of the Montana University System designated as a research institution although research in the area of the improvement of instruction is within its scope. There is no budget for research as such, but every encouragement is given to individual faculty members to pursue inquiry into their instructional areas. Occasionally, non-state funds are available in small amounts to enable faculty members and students to carry on such activities.

ENROLLMENT

in Fall Semester of Each Year

Eastern Montana College
Billings, Montana

Undergraduate

Year	Elementary Education	Secondary Education	Bachelor of Arts	Bachelor of Science	Other Majors	Total
1964-65	404	853			806	2,063
1965-66	477	979			1,044	2,500
1966-67	511	978	373	72	782	2,716
1967-68	589	1,095	494	126	730	3,034
1968-69	728	1,260	619	119	708	3,434
1969-70	725	1,472	257	653	542	3,649
1970-71	782	1,480	371	709	561	3,903
1971-72	677	1,079	252	608	668	3,284

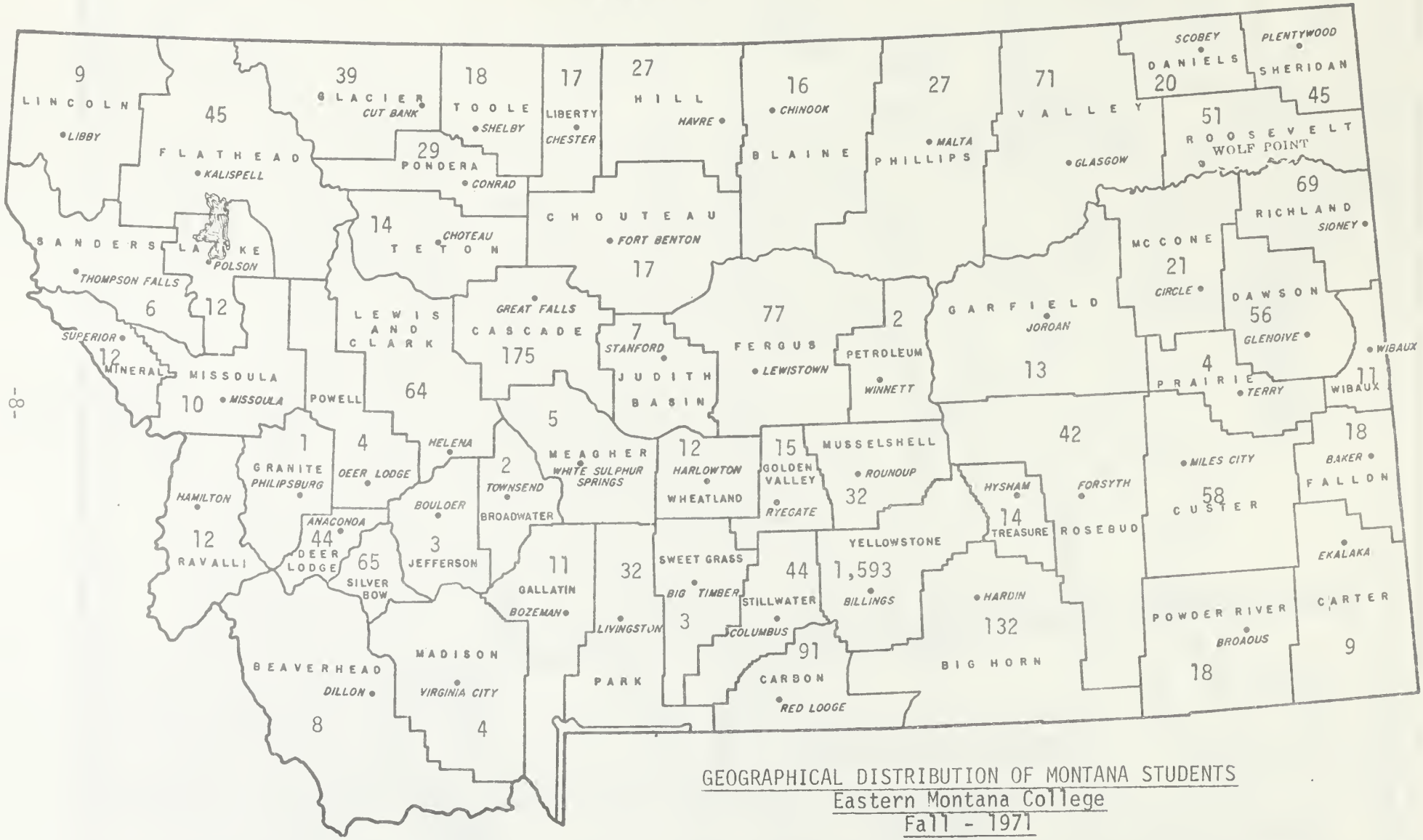
Masters in Education

1964-65	99
1965-66	121
1966-67	101
1967-68	111
1968-69	137
1969-70	107
1970-71	140
1971-72	171

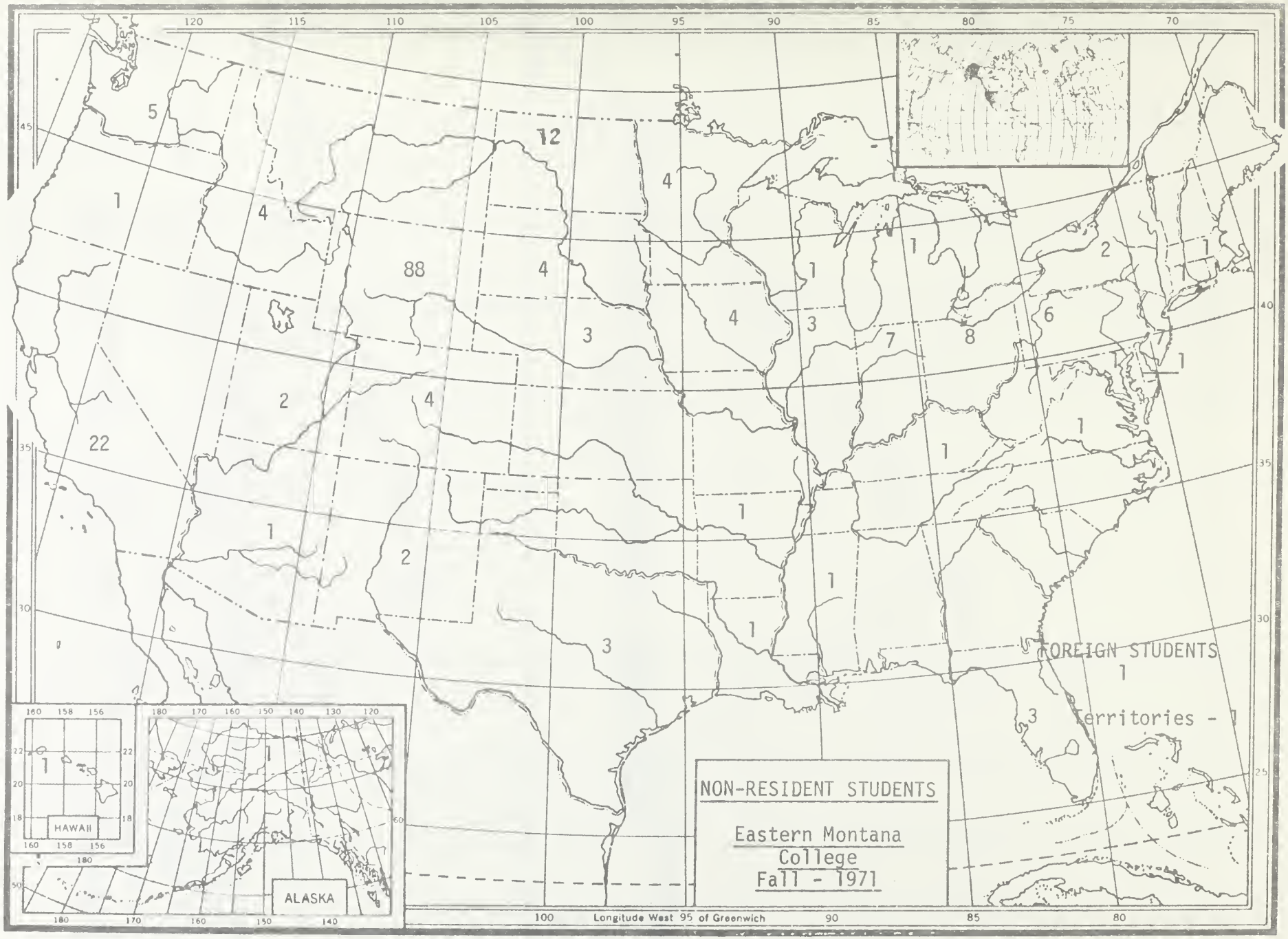
Masters in Rehabilitation Counseling

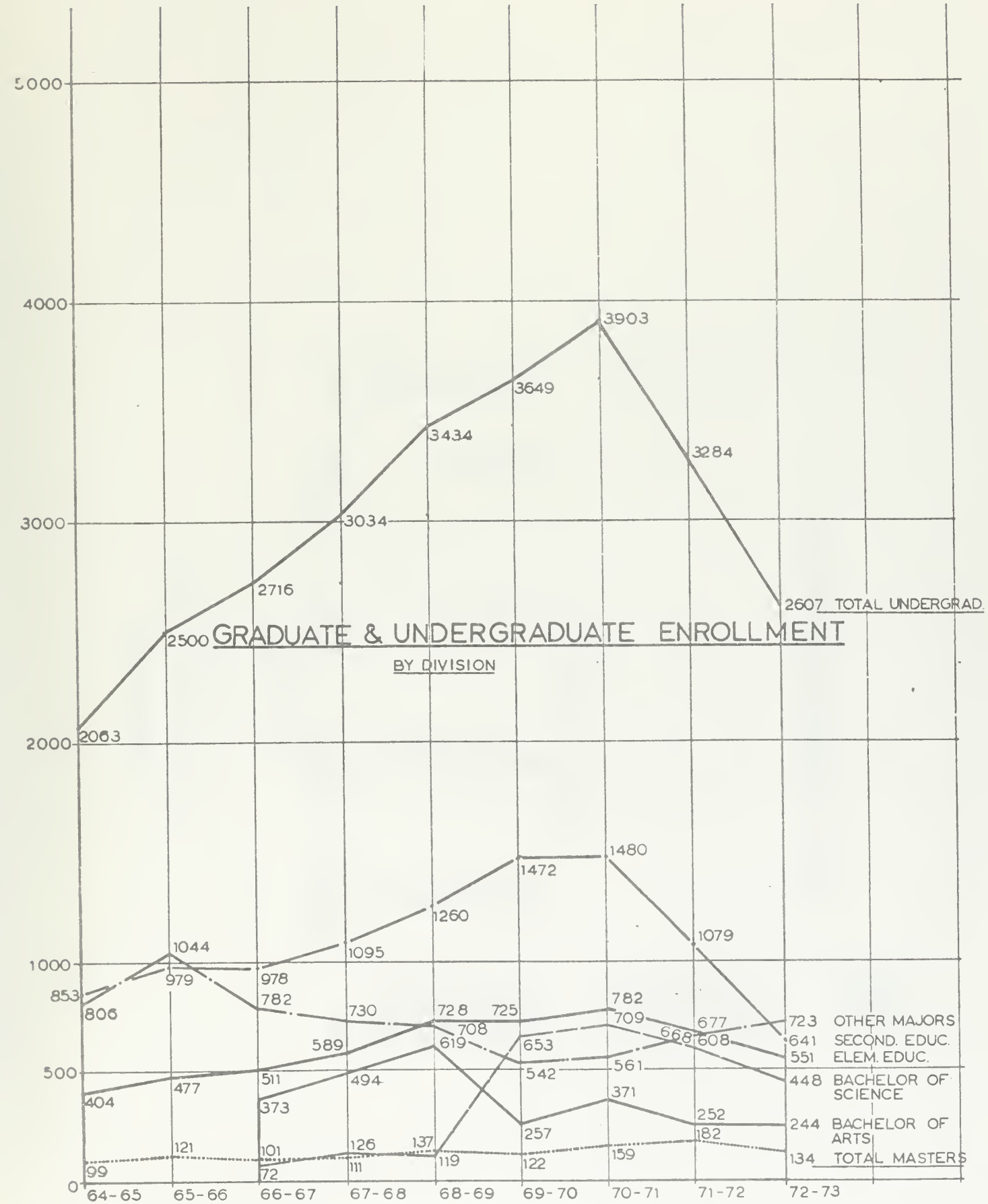
1969-70	15
1970-71	19
1971-72	11

MONTANA



GEOGRAPHICAL DISTRIBUTION OF MONTANA STUDENTS
Eastern Montana College
Fall - 1971


NON-RESIDENT STUDENTS
Eastern Montana
College
Fall - 1971
FOREIGN STUDENTS
1
Territories - 1
HAWAII
ALASKA
Longitude West 95 of Greenwich



EASTERN MONTANA COLLEGE

DEGREES GRANTED

Eastern Montana College
Billings, Montana

Undergraduate

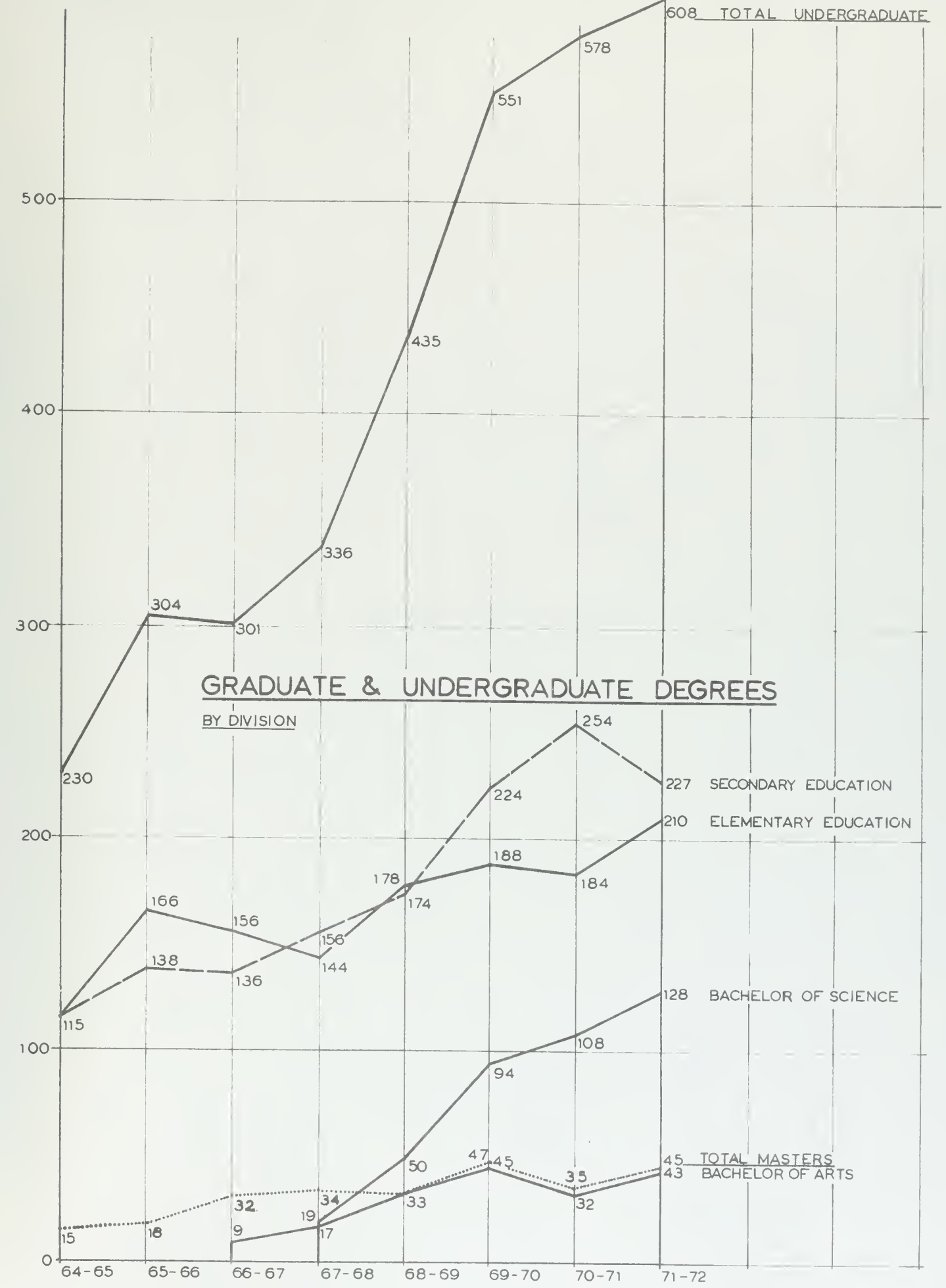
Year	Elementary Education	Secondary Education	Bachelor of Arts	Bachelor of Science	Total
1964-65	115	115			230
1965-66	166	138			304
1966-67	156	136	9		301
1967-68	144	156	17	19	336
1968-69	178	174	33	50	435
1969-70	188	224	45	94	551
1970-71	184	254	32	108	578
1971-72	210	227	43	128	608

Masters in Education

1964-65	15
1965-66	18
1966-67	32
1967-68	34
1968-69	33
1969-70	39
1970-71	28
1971-72	37

Masters in Rehabilitation Counseling

1969-70	8
1970-71	7
1971-72	8



EASTERN MONTANA COLLEGE

MONTANA COLLEGE OF MINERAL SCIENCE

AND TECHNOLOGY

Butte, Montana

MONTANA COLLEGE OF MINERAL SCIENCE AND TECHNOLOGY

Statement of Role and Scope

Montana College of Mineral Science and Technology owes its origin and activation to an Act of the State Legislature of 1893. The intent of this legislation was to provide a minerals engineering college as one of our initial units of a State university system, located at the minerals industry center of the State, and dedicated to the education of minerals industry engineers to serve a State whose very inception had been minerals oriented and whose major economic support rested on minerals production. The initial intent has served as the principal purpose of the College since its beginning and remains so today.

In keeping with subsequent developments and the increasing sophistication of the minerals industry, the original curriculum in mining engineering has evolved into separate, specialized curricula designed to prepare students for professional service in the principal complex and specialized categories of the industry. This process has resulted in present baccalaureate and masters programs in engineering science, geology, mining, mineral processing, metallurgy, petroleum, geophysics and environmental engineering.

To support the engineering curricula, and to meet the growing demands for higher educational opportunities, the College has developed educational strengths in the arts and sciences. Baccalaureate degree programs are now offered in chemistry, mathematics, English and history. Pre-professional requirements of many other educational specialities may be fulfilled through the course offerings of the College.

The College has recently been authorized to grant the associate degree in its specialized fields. This degree is awarded upon the completion of a two-year course of study. The objective is to provide skills and competence beyond the high school level without the demanding requirements of the baccalaureate degree.

In its role and scope the College has been assigned additional duties in research and public service. In 1919 the State Legislature recognized the need for a public service and research agency which would develop, gather, and disseminate information concerning the location and development of the mineral resources of the State. To accomplish this end the Montana Bureau of Mines and Geology was established as a department of the Montana College of Mineral Science and Technology. To accomplish its purpose the Bureau is organized into divisions of information, geology, groundwater, mineral fuels, mining, metallurgy and chemical analyses. The Bureau answers requests for information, conducts research in all technical divisions, conducts conferences and symposia on special topics, and publishes results of its research work. As a department of the College, it provides consultant services to other State agencies as requested. The Bureau cooperates and maintains close liaison with federal agencies to serve the interests of the State.

In addition to the research activities of the Bureau, the College encourages organized research activities within the academic departments, through the creation of a college related but separately incorporated foundation. With the establishment of the Graduate School of the College in 1928 research in all subject areas appropriate to the College became and continues to be an integral part of the academic programs of the College. Research is a commitment of the Faculty to undergraduate and graduate instruction. This commitment has contributed to the quality of instruction as well as to the scientific and professional development of the technology it serves.

To fulfill its role, the College must also be active in service to the community and respond to the ever changing educational demands of a dynamic society. The concept of a learning center which dissolves artificial educational barriers and promotes the free access of all to various educational levels is being explored and developed. Integrated and continuing education is a contemporary requirement which will expand in the future. The College must be sensitive to these needs and responsive in its efforts to meet them. Careers developed and renewed from such a learning program will fulfill individual desires and provide a means to adjust to the changing social and economic environment.

MONTANA COLLEGE OF MINERAL SCIENCE AND TECHNOLOGY

Extension and Public Service Statement

In 1919 the State Legislature recognized the need for a public-service agency, which would develop, gather, and disseminate information concerning the location and development of mineral resources of the State, thereby contributing to the economic development of Montana. To this end the Montana State Bureau of Mines and Geology was established as a department of Montana College of Mineral Science and Technology. Over the years since its activation, this Bureau has served the State well, and continues to be an important contributor toward development of mineral resources and economic improvement. To accomplish its purpose, the Bureau is organized into divisions of information, geology, ground water, mineral fuels, mining, metallurgy, and analytical lab. It answers requests for information, conducts research projects in all technical divisions, conducts conferences and symposia on special topics, visits mineral operations all over the State, gives technical advice to operators, and publishes the results of its research work. The Bureau has published 41 Memoirs, 85 Bulletins, 26 Information Circulars, and 58 Miscellaneous Contributions and Special Publications. These publications are distributed to 425 libraries, educational institutions, and state and federal agencies, both in this country and abroad, and to many individuals. In a typical biennium, 40 to 50 research projects are conducted, dealing with the geology and mineral resources of the State, about 5,000 persons visit the Bureau offices, about 6,000 phone or write for information, about 700 submit 1,800 specimens for identification, and about 17,000 visit the mineral museum. The Bureau is not an executive agency, but is a department of Montana College of Mineral Science and Technology. As such a department, it provides consultant services to other state agencies as requested. Further, it cooperates with federal agencies to serve the interests of the state.

The public-service and continuing-education program of the college also includes, in varying degrees, public information services. Catalogs and brochures are written and published with the aid of the information services. News releases are compiled almost daily and distributed to newspapers and radio and television stations. High school-college relations are supplemented through the information services by activities such as high school visitation days, conferences for high school and grade school teachers, assistance with science fairs, special courses and institutes for high school and grade school teachers, special campus events for high school student-teacher orientation, and informational films. College-community relations are promoted by such means as late afternoon and evening courses, special and limited extension courses, events on campus to which the public is invited and availability of college facilities for public meetings, games and other events. These programs should grow as the institution grows and becomes more capable of new activities and augmented services.

MONTANA COLLEGE OF MINERAL SCIENCE AND TECHNOLOGY

Research Statement

The College seeks to encourage all expressions of the research spirit in the institution. The term research here is used in a general rather than a restricted sense, to include all systematic studies conducted for the discovery and development of knowledge in every field of learning appropriate to the College. It comprises all forms of productive scholarship, including creative writing as well as scientific and engineering investigations.

Researches in the subject fields of the mineral industry have been conducted by the faculty since the establishment of the College. Much of the scientific development within the minerals industry depends upon the continued research activities of this and other similarly oriented colleges.

With the establishment of the Montana Bureau of Mines and Geology as a department of the College in 1919, a continuing program of research investigations in the geology, mining, beneficiation, and metallurgy of the mineral resources of the State has been pursued. In recent years the breadth of coverage has been increased to include groundwater, petroleum, coal, and other nonmetallic resources of the State.

With the establishment of the Graduate School of the College in 1928, research, in all subject areas appropriate to the College, became an integral part of the academic programs of the College.

This dual research program of the College, Bureau and academic, has grown through the years to its present dimension and has made an outstanding contribution to the economic growth and development of the State as well as to scientific literature of mineral science and technology. State funds have been adequate to support the Bureau, while the academic research has received most of its support from Federal and state agencies and industrial companies.

To aid in the administration of such non-state research funds, the Montana College of Mineral Science and Technology Foundation was established. The Foundation, a non-profit, tax-exempt corporation, enters into agreements or contracts for research and accepts grants on behalf of the College, the Bureau, and the Minerals Research Center.

Research orientation is a commitment of the College to undergraduate and graduate instruction. This commitment has contributed in an outstanding manner to quality of instruction as well as to the scientific and professional development of the technology it serves. The research activities, however supported, may be scientifically fundamental, applied, or developmental in type, and economic in aspect.

MONTANA COLLEGE OF MINERAL SCIENCE AND TECHNOLOGY

Research Expenditures

Year	Bureau of Mines & Geology Research & Public Service	College Foundation
1964-65	$170,565	$ 78,978
1965-66	231,525	172,029
1966-67	234,268	145,250
1967-68	309,202	116,304
1968-69	330,682	161,085
1969-70	385,949	253,482
1970-71	430,817	294,501
1971-72	402,825	381,163
1972-73 (Est.)	443,217	320,000

ENROLLMENT

in Fall Semester of Each Year

Montana College of Mineral Science and Technology
Butte, Montana

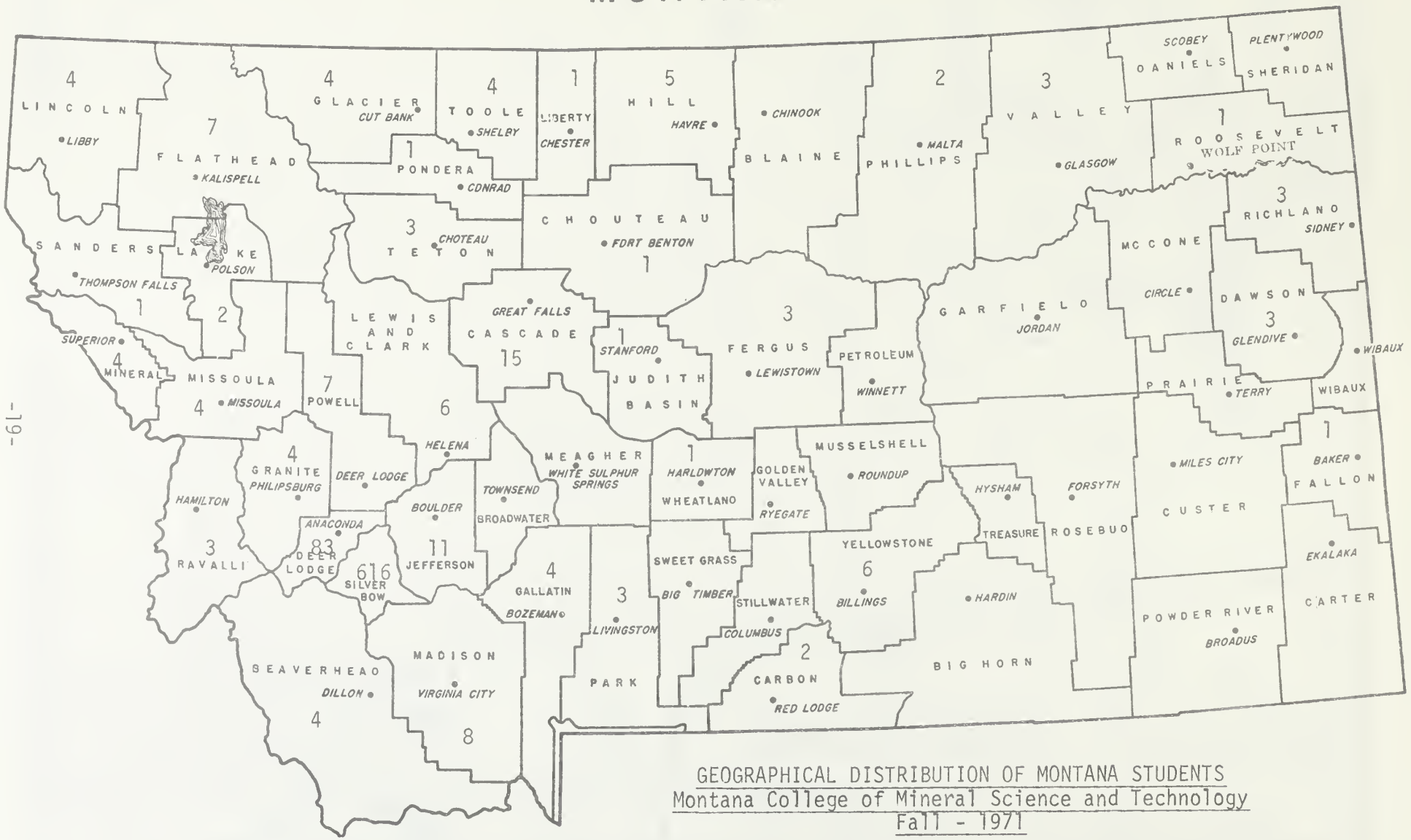
Undergraduate

Year	General	Engineering	Total
1964-65	264	224	488
1965-66	328	247	575
1966-67	318	270	588
1967-68	284	271	555
1968-69	375	334	709
1969-70	491	382	873
1970-71	571	389	960
1971-72	549	321	870

Masters

Year	General	Engineering	Non-Degree	Total
1964-65		21	9	30
1965-66		21	7	28
1966-67		19	8	27
1967-68		18	24	42
1968-69		15	10	25
1969-70		18	8	26
1970-71		23	6	29
1971-72		12	12	24

MONTANA



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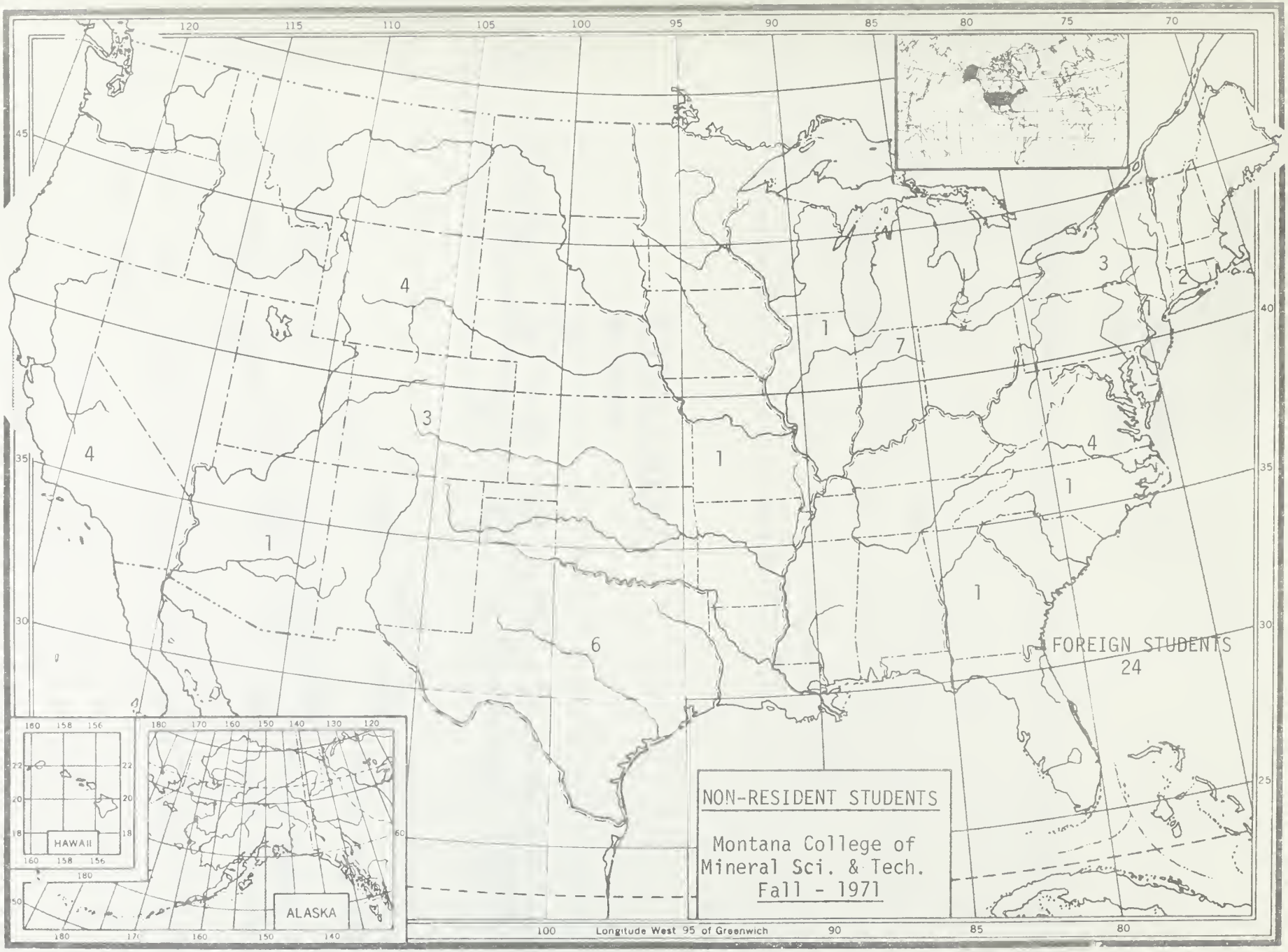
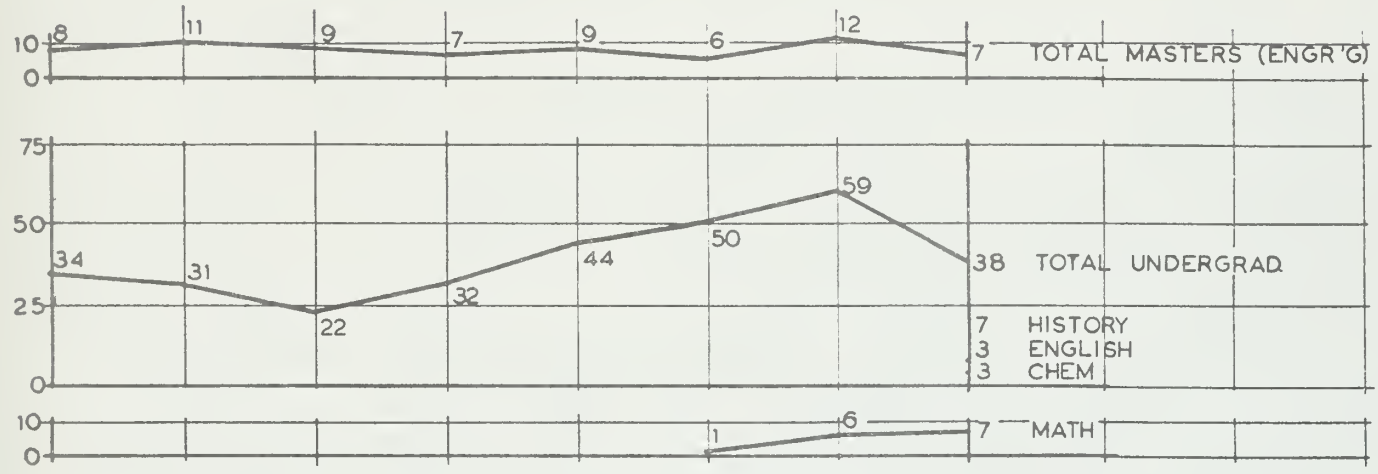
Fall - 1971


NON-RESIDENT STUDENTS
Montana College of
Mineral Sci. & Tech.
Fall - 1971
FOREIGN STUDENTS
24
HAWAII
ALASKA
Longitude West 95 of Greenwich

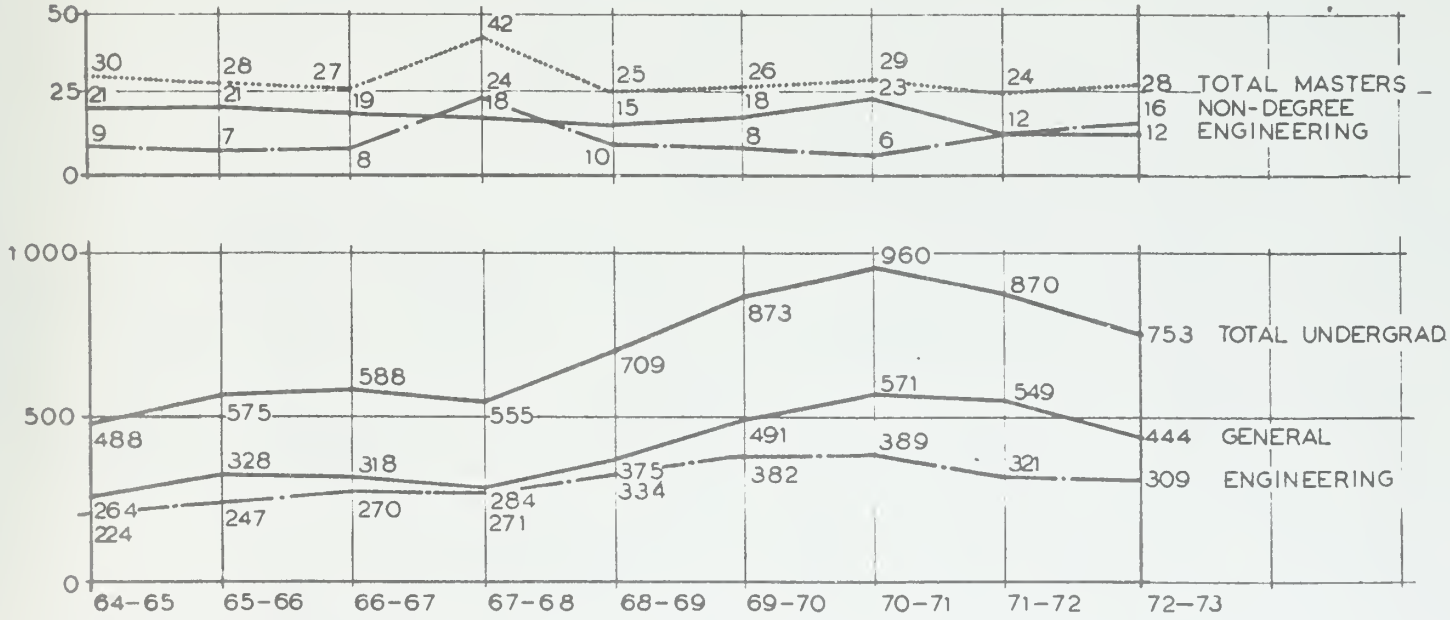
DEGREES

BY DIVISION



ENROLLMENT

BY DIVISION



MONTANA TECH.

MONTANA STATE UNIVERSITY

Bozeman, Montana

DEGREES GRANTED

Montana College of Mineral Science and Technology
Butte, Montana

Undergraduate

Year	Math	Chem.	Engineering	Engl.	Hist.	Total
1964-65			34			34
1965-66			31			31
1966-67			22			22
1967-68			32			32
1968-69			44			44
1969-70	1		50			51
1970-71	6		59			65
1971-72	7	3	38	3	7	58

Masters

Year	Math	Chem.	Engineering	Engl.	Hist.	Total
1964-65			8			8
1965-66			11			11
1966-67			9			9
1967-68			7			7
1968-69			9			9
1969-70			6			6
1970-71			12			12
1971-72			7			7

MONTANA STATE UNIVERSITY

Statement of Role and Scope

Montana State University is Montana's comprehensive land-grant university with the characteristic obligations of undergraduate and graduate instruction, research, and extended public service. It shares with Montana's other university the obligation to avoid duplication of effort in highly professional fields such as law, pharmacy, agriculture, and engineering. Through its extension programs and research centers, it supports or reinforces, when requested, the educational and research efforts of other units of the Montana University System and various agencies of the state.

The scope of the undergraduate and graduate programs of instruction can be desribed best by a listing of the baccalaureate, master's and doctoral programs offered. In addition to these programs, which are listed below, Montana State University has been selected to participate in the WAMI Program of medical education sponsored by the University of Washington Medical School. The first class of WAMI medical students will start their classes at Montana State University in the Autumn Quarter of 1973.

Curricula Approved for the 1972-74 Bulletin Leading to a Bachelor's Degree:

COLLEGE OF AGRICULTURE

Agricultural Business
Agricultural Education
- Major Option
- Broadfield Option

Agricultural Production, with options in:
- Agricultural Economics
- Agricultural Mechanics
- Agronomy
- Animal Science
- Range Management
- Recreation Area Management

Agricultural Science, with options in:
- Agricultural Economics
- Animal Science
- Crops
- Range Management
- Recreation Area Management
- Soils

Industrial Arts
- Teaching Option
- Broadfield Teaching Option
- Industries Option

*Pre-Forestry
*Pre-Veterinary Medicine

COLLEGE OF EDUCATION

Elementary Education, with option in:
- Music

Secondary Education

*Non-degree Programs

Physical Education
- Health Education Option
- K-12 Physical Education and Health (Men and Women) Option
- Secondary School (Men and Women) Option
- Pre-Physical Therapy Option

COLLEGE OF ENGINEERING

Agricultural Engineering
Chemical Engineering, with option in:
- Petroleum Refining

Civil Engineering
Computer Science
Construction Technology
Electrical Engineering
Engineering Science
Industrial and Management Engrng.
Mechanical Engineering
Mechanical Technology

COLLEGE OF LETTERS AND SCIENCE

Botany, with option in:
- Biology Teaching

Chemistry
- Professional Option
- Interdisciplinary Option
- Chemistry Laboratory Option
- Teaching Option

Earth Sciences
- Teaching Option
- Geographical Planning Option
- Geography Option
- Geology Option
- Geophysics Option
- Meteorology Option

Economics
- General Economics Option
- Economics Science Option

English
- Communication Option
- Literature Option
- English Broadfield Teaching Option
- Literature and Composition Teaching Option

Fish and Wildlife Management
Government
- Political Science Option
- Pre-Law Option
- Public Administration Option

History, with option in:
- Teaching

Mathematics, with options in:
- Teaching
- Statistics

Microbiology, with options in:
- Environmental Health
- Medical Technology

Modern Languages (French, Spanish, German) with option in:
- Teaching

Philosophy
Physics
- Professional Option
- Teaching Option
- Interdisciplinary Option
- Scientific Technician Option

Pre-Medicine (Pre-Dentistry)
Psychology
- Professional Option
- General Psychology Option

Sociology, with options in:
- Rural Sociology
- Social Justice
- Social Welfare
- Anthropology

Speech, with option in:
- Teaching

Theatre Arts, with options in:
- Dramatics Teaching
- Theatre Administration

Zoology

COLLEGE OF PROFESSIONAL SCHOOLS

Architecture
Art
- Professional Design Option
- Art History Option

Commerce
- Accounting Option
- Business Education: Basic Business Option

- Fine Arts Option
- Art Education Broadfield Option
- Art Education K-12 Option
- Art Education Option

Film and Television Production
- Motion Picture Option
- Television Option
- Photography Option

Home Economics
- Business Option
- Home Economics Education and Extension Option
- Family Life Sciences Option
- Institutional Food Management Option
- Business Education: Office Education Option
- Distributive Education Option
- Finance Option
- Management Option
- Marketing Option
- Secretarial Option

Music Education
- School Music K-12 Broadfield Option
- Elementary Music Education K-9 Broadfield Option
- Studio Teaching Option

Nursing
- *Family Nurse Practitioner Program

*General Studies

Teaching Majors in Secondary Education:

- General Science
- Physical Science
- Social Studies

Teaching Minors in Secondary Education:

- Agricultural Education
- Basic Business
- Chemistry
- Earth Sciences
- English
- Family Life Education
- General Home Economics
- Geography
- Health Education
- History
- Industrial Arts
- Library Science
- Mathematics
- Modern Languages (French, Spanish, German)
- Music
- Office Education
- Physical Education (Men and Women)
- Physics
- Psychology
- Social Sciences
- Speech
- Theatre Arts

*Non-degree Programs

Master's Degrees at Montana State University:

Master of Arts in:
- Art
- History

Master of Science in:
- Agricultural Economics
- Agricultural Education
- Agricultural Engineering
- Agronomy
- Animal Science
- Botany
- Business Education
- Chemical Engineering
- Chemistry
- Civil Engineering
- Earth Sciences
- Electrical Engineering
- Entomology
- Fish and Wildlife Management
- Home Economics
- Industrial and Management Engineering
- Mathematics*
- Mechanical Engineering
- Microbiology
- Physical Education
- Physics
- Psychology
- Range Management
- Soils
- Veterinary Science
- Zoology

Master of Education
Master of Applied Art
Master of Nursing

*With either a Mathematics or Statistics major.

Doctoral Degrees at Montana State University:

Doctor of Education

Doctor of Philosophy in:
- Agricultural Economics
- Biochemistry
- Botany
- Chemical Engineering
- Chemistry
- Civil Engineering
- Crop and Soil Science
- Electrical Engineering
- Entomology
- Fish and Wildlife Management
- Genetics
- Mathematics
- Mechanical Engineering
- Microbiology
- Physics
- Plant Pathology
- Veterinary Science
- Zoology

MONTANA STATE UNIVERSITY

Extension and Public Service Statement

The State University defines public service as those educational and service activities designed to assist the people of Montana who are not regularly enrolled, full-time students of the University.

Methods for Providing Public Service:

The University provides information and education through public meetings, special schools and institutes, courses, workshops, consultations, demonstrations, seminars, and mass media, special studies, publications, personal contact and the administration of special programs. Use of facilities "on the Bozeman campus" provides an additional service.

Scope of Involvement:

The combined extension, community and public service programs of Montana State University directly served over 200,000 citizens of Montana.

Public Service Programs:

Montana Cooperative Extension Service

This service, in the College of Agriculture, is headed by a director with a total professional extension staff of 140. Thirty-seven of them are located at Montana State University and the balance serve in county offices throughout the state. Approximately 30 per cent of its financial support is provided through state-appropriated funds. The balance comes from federal, county, and other sources.

The 4-H program involves approximately 20,000 youth under 21 years of age and about 5,500 junior and adult leaders. The Service provides information to 10,000 homemakers in the state who are enrolled in Homemakers Clubs, plus all other Montana homemakers who use the information on a less regular and informal basis. In addition, most of the state's farmers and ranchers are part of the Extension Service clientele. In each of the last few years, the Extension staff has participated in about 8,000 meetings with an average total attendance of 240,000. The Service prints from 25 to 45 major publications a year and purchases another 20 to 45 publications from other institutions for distribution to the general public. As many as 200 separate smaller Extension publications are printed, ranging in size from 1 to 100 pages. The Cooperative Extension Service distributes some 1 to 1.5 million copies of material each year.

The Montana Cooperative Extension Service Program includes:

Teaching business management to farmers and ranchers, and to others who work in agriculture.

Educational programs to improve quality of agricultural products.

Teaching farmers and ranchers to improve capacity of crop and range production through programs in soil fertility, soil and weather management, cultural practices, harvesting and storage, weed control plant diseases.

Helping farmers and ranchers increase livestock production through improved nutrition and management and improvement of livestock through breeding and selection.

Educational programs to improve and develop use of the state's natural resources, land, water, and wild life.

Educational programs to increase effectiveness of the Montana producer in agricultural marketing.

Training programs for families and individuals in family life and development of the individual.

Training programs to help community groups be more effective in understanding the decision-making process.

Educational programs in human nutrition; food preparation; clothing construction; financial management; selection, construction and maintenance of household possessions; home and garden beautification and management; and special programs for low-income groups.

Programs to help Montana people understand and apply safety principles associated with poisons, pesticides, chemicals, equipment, etc.

Programs with school personnel throughout the state in civil defense preparedness, and special radiological training for numerous groups.

Provide training for leaders of youth and assisting young people acquire knowledge and skills in science and technology, in citizenship responsibilities and leadership.

Assisting statewide community development efforts through leadership training in community organizations, identification of problems and development opportunities, and providing information on sources of outside assistance.

Administering the International Farm Youth Exchange Program for the state.

Giving leadership to the statewide Rural Areas Development Program.

Department of Continuing Education

The Department has a full-time director, two professional staff members, and draws upon faculty throughout the University. Financial support is almost 100 per cent from fees and outside contracts.

The Department administered 54 extension credit courses, both graduate and undergraduate, with an enrollment of over 1,000 adults. These courses, taught in various communities in Montana, include: History of Art; Administration Process in Disease Control; Foundations of Public Health; Introduction to Criminal Justice; Speech-Language Summer Program for the Deaf; Digital Computers for Instrumentation and Control; The Nurse and Intensive Coronary Care; Nursing Home Administration Seminar; Supervision in Nursing; Epidemiology of Venereal Disease; Transportation Planning; Physiology of Exercise; a Bilingual Education Program on the Crow Indian Reservation; Great Composers Before Bach; and various counseling and in-service study courses in education.

Non-credit programs administered by the Department involved another 800 adults. These included Swimming Skills for Women; Advanced Cosmetology Institute, and a statewide Civil Defense University Extension Program. Two of the professional staff are associated with the Civil Defense program which is administered by the Department. The educational program included management courses throughout the state, Civil Defense county conferences, simulation exercises at several locations, Civil Defense management, and radiological monitoring courses for instructors.

Center for Planning and Development

This Center has a part-time director, four professional staff members, and receives its financial support from contracts for community service activities. Additional faculty at the University help conduct specific programs.

The Center provided service to approximately 4,000 people in its programs. Those included: planning and development assistance to selected Montana communities; conducting surveys, training programs, and giving consulting and leadership training to selected Montana communities. Research activities included major responsibility for a large-scale, multi-disciplinary study of the social and environmental impact of a four-season resort development. Research to design better strategies for providing rural community services to sparsely populated areas is presently being conducted by Center personnel and is of considerable interest to many Montana community leaders. The WICHE Internship Program is coordinated by this Center.

Center for Industrial Development and Management Services

This Center has a director and two full-time professional staff members and also draws upon other university faculty for special programs. It is federally funded.

About 500 people participated in the Center programs. A program of management training and technical assistance was provided in areas designated by the Economic Development Administration, U.S. Department of Commerce, covering 7 Montana Indian Reservations and 19 additional counties. Illustrations of types of industry assisted include the following: food processing; meat packing; trout raising; toys; pre-built homes; plastic products; agricultural equipment products; processing of wood products; clothing manufacturing; sports equipment; ski facilities;

industrial park sites; banks; shopping centers; a veterinary hospital; a newspaper; irrigation projects.

Center for Intercultural Programs

This Center has a part-time director and a professional staff of three. It receives its financial support primarily from state sources. In addition, a variety of short and long-term contracts, focusing on American Indians and intercultural programs, provides some support.

It provides intercultural services, both domestic and foreign, to the university community and to the people of the state. It provides for American Indian students in the form of assistance in adjustment to campus routines and academic standards and coordinates curricular programs in American Indian and Asian Studies. It serves as the hosting agency of the university for foreign students, providing them with assistance in adjusting to American culture and university procedures. It also serves as the hosting agency for international short-term visitors in cooperation with a volunteer community hospitality committee. It directs study-abroad programs in France, England, and Mexico, as well as the Domestic Student Exchange Program in cooperation with eighteen other colleges and universities.

Community Service and Continuing Education Programs, Title I of the Higher Education Act of 1965

Montana State University is the state agency for administration of this program by designation of the Governor. A statewide advisory council has been appointed by the Governor to assist with the administration. All institutions of higher education, both public and private, including community colleges, are eligible to participate in this program. Two-thirds of the funds are provided by the federal government. Since 1967 ninety-four programs have been approved and are ongoing or have been completed by eight institutions of higher education in Montana. The Coordinator of Extension and Community Services and one Administrative Assistant administer the state agency program. Further information is available from that office.

Montana State University has conducted a total of 33 programs of which 10 were ongoing during Fiscal Year 1972. These programs are based on requests from community and state groups and organizations. They cover a broad scope of subject matter including training programs for local officials, legislators, community leaders, and involve problems concerning environment, management, government, land use, the aging, minority groups, drug abuse, and other subjects. A Montana State University Community Services Council assists in program development and coordination.

Departmental Public Service Programs

Numerous academic departments conducted public service programs of training and education during Fiscal Year 1972, such as: Wheat Variety Quality Conference, Training Program for Property Evaluators, Beef Production School, State Legislative Orientation Program, Accounting

System for Municipalities in Montana, Earth Science Seminar for City-County Planners, A Workshop of Negotiations in Public Education, Environmental Engineers Workshop, A Constitutional Convention Tabloid--An Objective Analysis for Montana Citizens, Swimming Skills, Coaching Clinic, Cheerleaders Workshop, Water Law Engineering Course, A Short Course for Ditch Riders, Transportation Planning (Helena), Public Meetings on Constitution Revision, Police and Community Relations. Business Education Day, Music Workshop for Marching Bands, Nursing Home Administration Training, Television Project Designed to Help Montana Communities Benefit from Activities of Higher Education. This is only a representative group of the types of public service programs conducted by Montana State University during Fiscal Year 1972.

Jointly Sponsored Public Service Programs

There are many public service programs that have been jointly sponsored with organizations, such as, Montana Livestock Association, Montana State Sanitary Board, Montana Bankers Association, Montana Department of Health and Environmental Sciences, American Political Science Association, Montana Board of Examiners, Montana League of Cities and Towns, and Montana Association of County Commissioners, Montana State Board of Equalization, and several city Chambers of Commerce.

Other Public Service Activities

Individual faculty members provided advisory and consulting services to many state and national groups concerned with the public welfare including: the State of Montana Constitutional Revision Committee; Committee on Legislative Reorganization; Montana Distributive Education Program; Montana Small Business Administration; Nursing Association; Montana School Boards Association; Rocky Mountain Education Laboratory; American Road Builders Association; Montana Arts Council; State Advisory Council of the Community Services and Continuing Education Program; State Safety Code Committee; Montana Board of Architects; Montana Board of Nursing; Montana Board of Professional Engineers and Land Surveyors; Montana Board of Veterinarians; Governor's Committee for Preservation of Historical Sites; Montana Highway Revegetation Committee; Great Plains Regional Tax Committee; Rocky Mountain Industrial Arts Association.

The students and faculty of the University provided an additional public service to approximately 50,000 Montana Citizens through the school's lecture series, art and architectural exhibitions, musical and theatrical performances.

University Development and Alumni Office

The University Development Office has a part-time director and assistant director. It serves as the focal point for monetary gifts to the University and maintains records of donors and ensures the proper acknowledgment for gifts. It helps coordinate University-approved fund campaigns and continues to develop new sources of funds for the University by establishing and maintaining contacts with private individuals, alumni, corporations and businesses that are interested in Montana State University and higher education. The office also works directly with the University

President in assisting with arrangements of conferences, meetings and other such duties as assigned. In conjunction with its University Development duties the office staff is also responsible for the operation of the Alumni Association and is responsible for the endowments, wills and deferred giving aspect of the Endowment and Research Foundation.

MONTANA STATE UNIVERSITY

Research Statement

Montana State University has emphasized research in its policies and programs throughout the history of the institution. Research is closely related to graduate education and is coordinated with the responsibilities of the University in undergraduate teaching and in public service.

Research at Montana State University is funded by appropriations to the experiment stations and research centers by grants and contracts from federal, state, and private agencies for institutional and individual projects, and by that part of the regular instructional budget allotted to departmental research.

The Vice President for Research coordinates the various research activities of the University including the Agricultural Experiment Stations, the Engineering Experiment Station, the Endowment and Research Foundation, and the Montana University Joint Water Resources Research Center. He serves as Executive Director of the Foundation and provides advice and assistance to the faculty members in the development of research projects and programs.

Montana State University carries on a wide range of research projects. Major research areas include agriculture; engineering; environmental studies; medical and health problems; veterinary medicine; chemistry and physics; and community planning and development.

The following on-campus and off-campus research organizations and facilities comprise the research complex at Montana State University:

Agricultural Experiment Stations
- Main Station (Campus)
- Veterinary Research Laboratory
- Wool Research Laboratory
- Cereal Quality Laboratory
- Red Bluff Research Ranch
- Six Research Centers

Engineering Experiment Station
- Electronics Research Laboratory

Endowment and Research Foundation
- Center for Interdisciplinary Studies
- Center for Industrial Development and Management Services
- Bangtail Mountain Observatory
- Research Park Building

Museum of the Rockies

Water Resources Research Center

Affiliated Federal Facilities
- Entomology Research Laboratory (USDA)
- Forestry Sciences Laboratory (USDA)
- Northern Plains Soil and Water Research Center (USDA)
- Range Livestock Experiment Station (USDA)

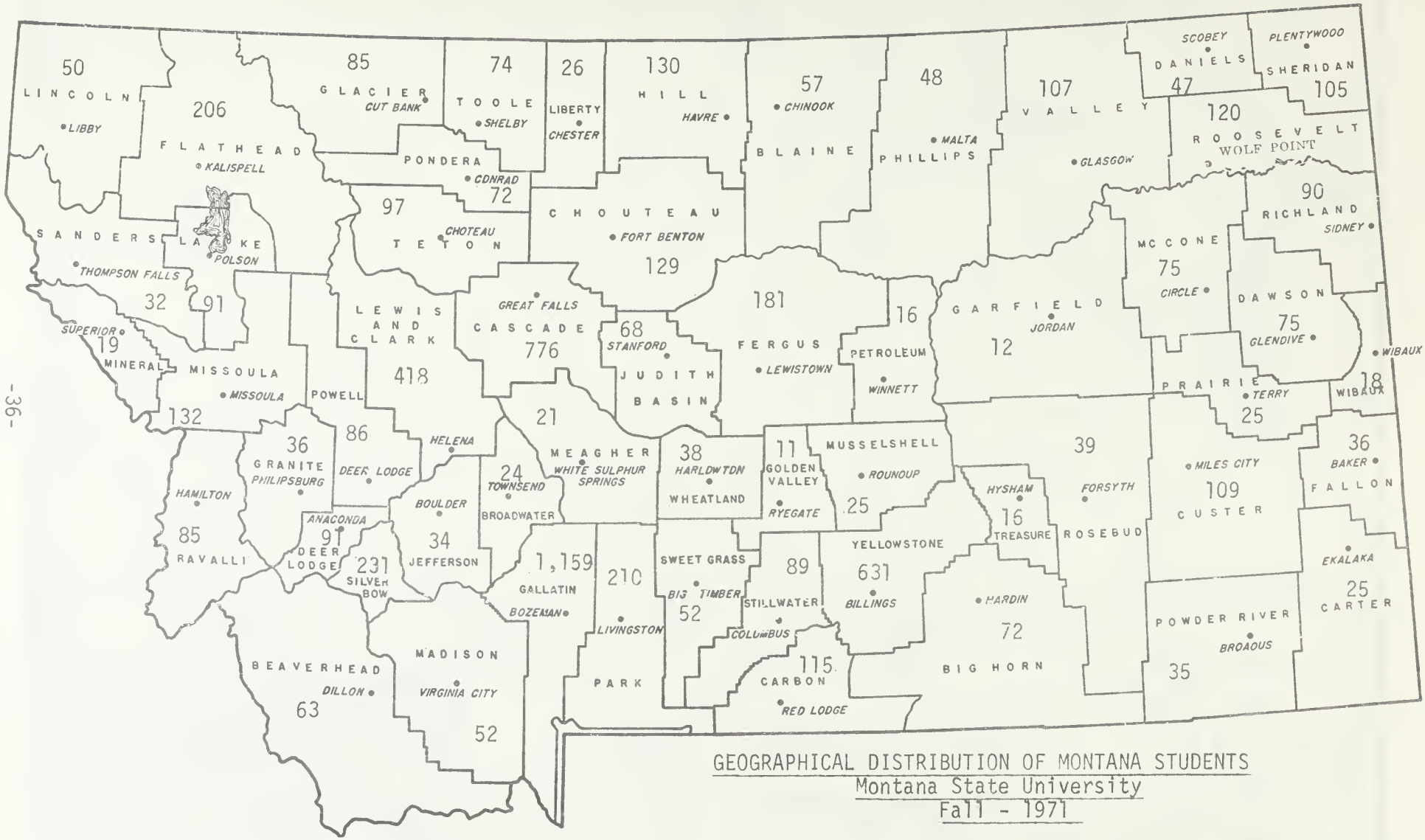
The following expenditures were made for research and related activities during the last eight years. The amounts include funds from federal, state, and private agencies, as well as funds appropriated to Montana State University.

	Agric. Exp. Stations	Engr. Exp. Station	Endmt. & Res. Foundation	Water Resources Res. Center	TOTALS
1964-65	2,198,540	94,679	2,315,336	75,000	$4,683,555
1965-66	2,426,513	124,394	2,033,737	172,014	$4,756,658
1966-67	2,656,308	127,569	2,445,789	160,678	$5,390,344
1967-68	2,847,538	176,003	3,243,000	141,860	$6,408,401
1968-69	2,979,352	196,121	3,138,471	157,053	$6,470,997
1969-70	3,227,468	188,615	3,223,024	172,377	$6,811,484
1970-71	3,452,791	181,795	3,231,409	201,928	$7,067,923
1971-72	3,528,911	206,372	3,449,589	213,440	$7,398,312

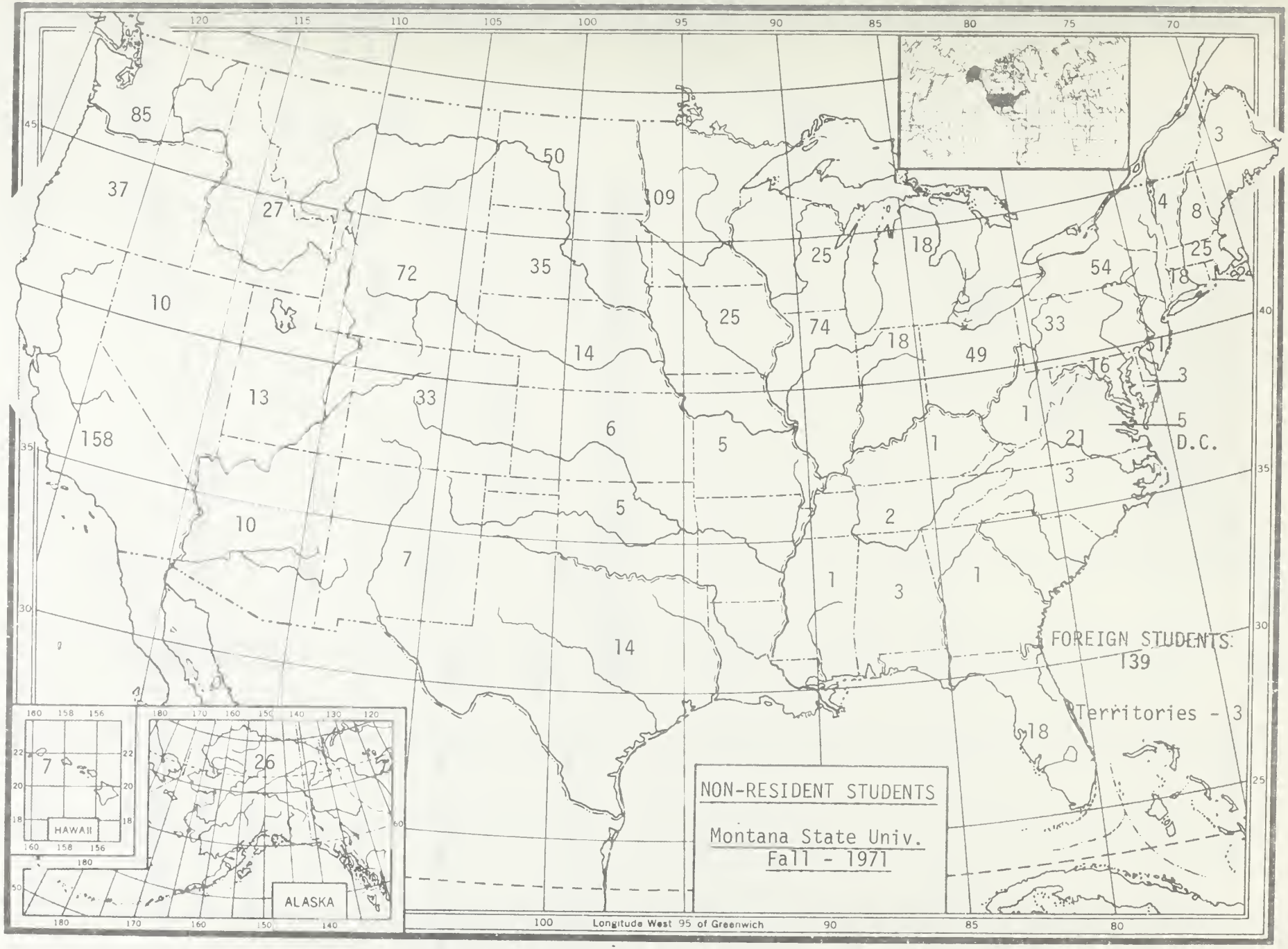
ENROLLMENT
In Fall Semester of Each Year
Montana State University
Bozeman, Montana

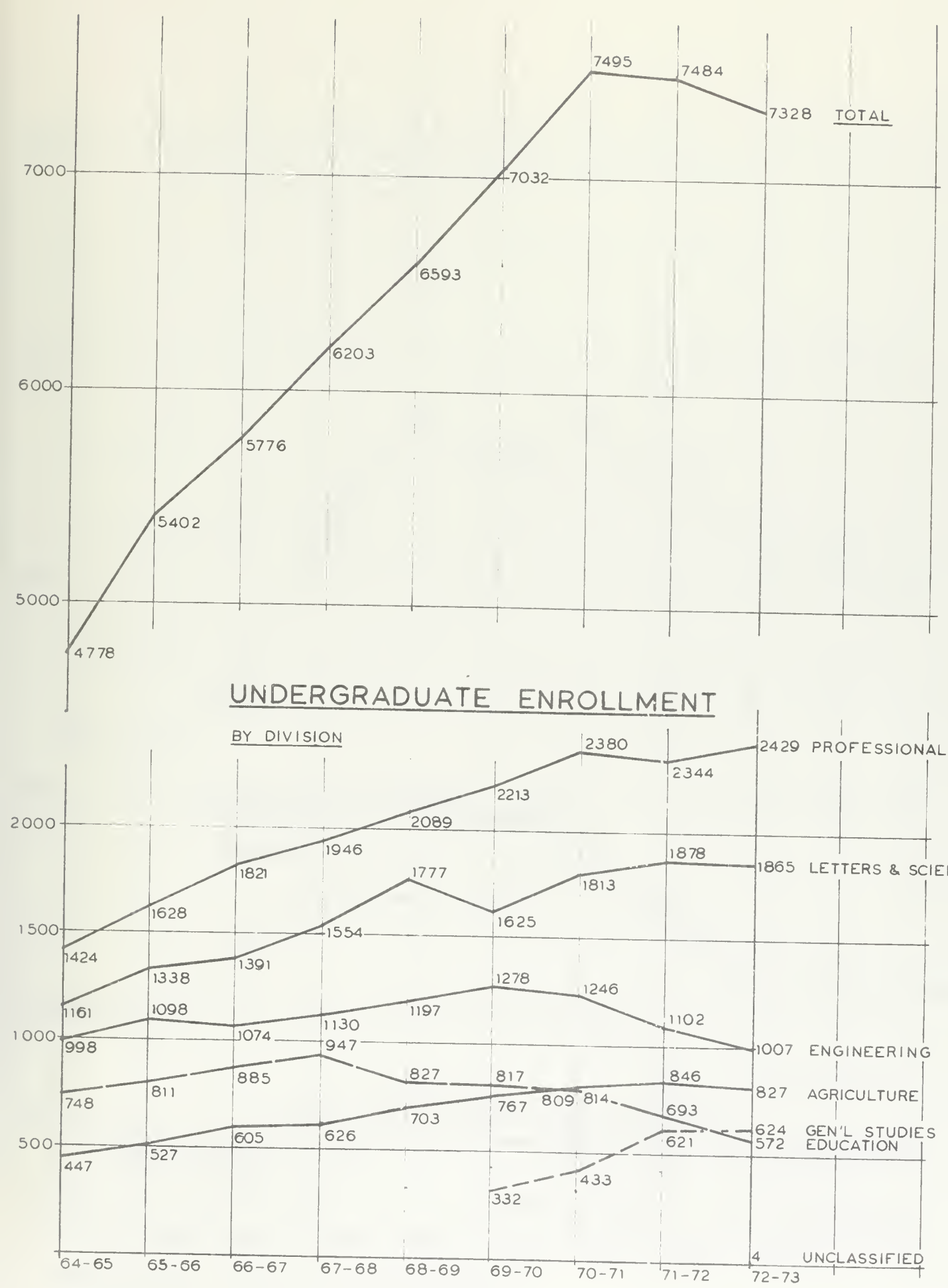
Year	Agriculture	Education	Engineering	Letters & Science	Professional	General Studies	Unclassified	Total
Undergraduate								
1964-65	447	748	998	1,161	1,424			4,778
1965-66	527	811	1,098	1,338	1,628			5,402
1966-67	605	885	1,074	1,391	1,821			5,776
1967-68	626	947	1,130	1,554	1,946			6,203
1968-69	703	827	1,197	1,777	2,089			6,593
1969-70	767	817	1,278	1,625	2,213	332		7,032
1970-71	814	809	1,246	1,813	2,380	433		7,495
1971-72	846	693	1,102	1,878	2,344	621		7,484
Masters								
1964-65	32	21	58	99	18			228
1965-66	35	23	41	92	31			222
1966-67	36	21	33	126	32			248
1967-68	48	25	62	155	34			324
1968-69	48	48	70	154	51			371
1969-70	43	43	60	154	58	1		359
1970-71	37	40	61	179	54			371
1971-72	47	38	50	146	68	4		353
Doctorates								
1964-65	10	2	17	49				78
1965-66	15	6	33	83				137
1966-67	12	8	32	79				131
1967-68	9	16	35	89				149
1968-69	16	17	39	103				175
1969-70	21	22	31	102				176
1970-71	24	21	29	100				174
1971-72	22	20	22	75		1		140
Graduate Non-Degree								
1964-65	5	21	21	43	20			110
1965-66	6	22	18	63	19			128
1966-67	15	21	12	41	24			113
1967-68	12	22	9	28	21			92
1968-69	16	27	10	51	31			135
1969-70	9	35	12	21	13	61		151
1970-71	9	37	4	44	20	33		147
1971-72	8	11	4	23	7	102		155

MONTANA



GEOGRAPHICAL DISTRIBUTION OF MONTANA STUDENTS
Montana State University
Fall - 1971

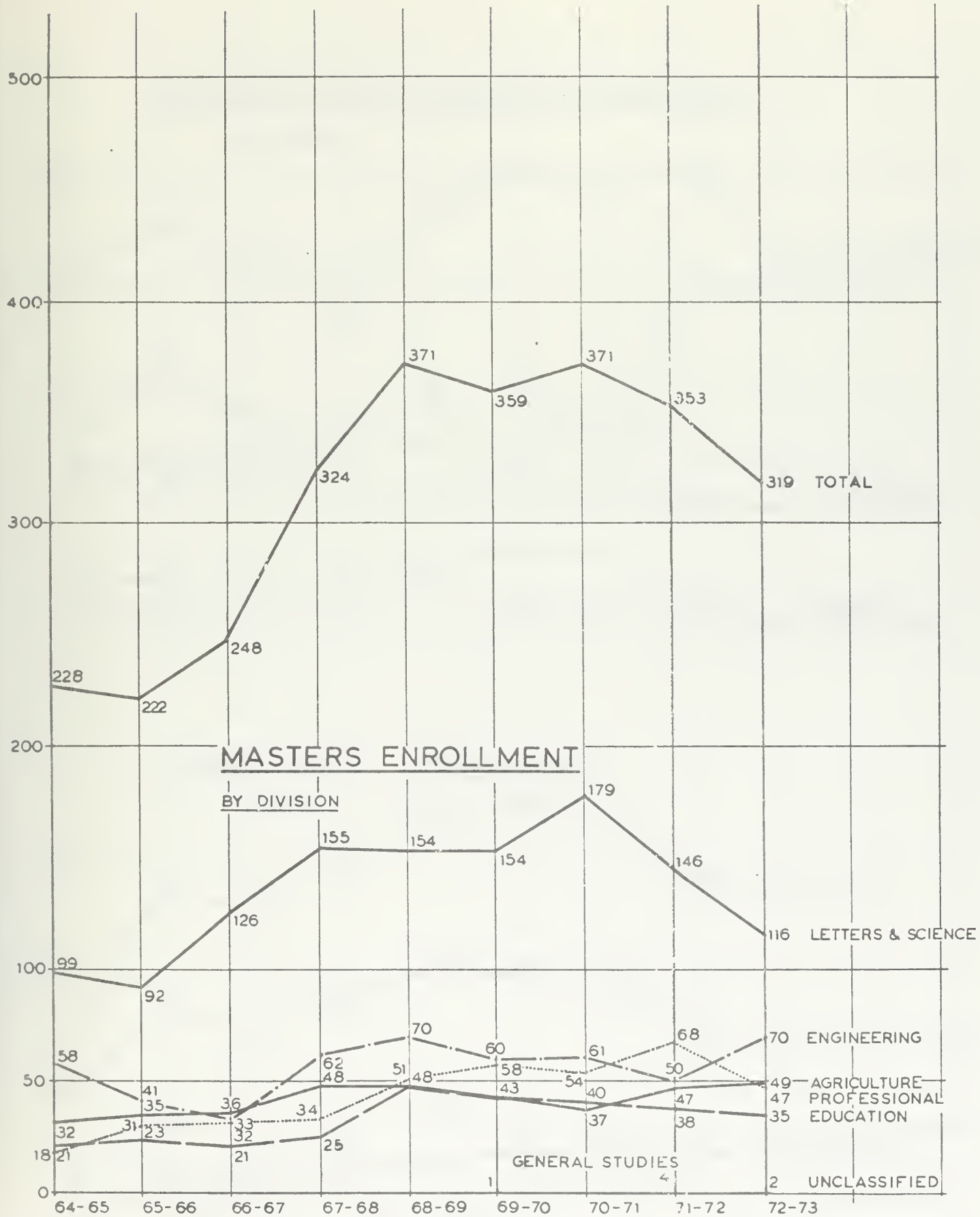

NON-RESIDENT STUDENTS
Montana State Univ.
Fall - 1971
FOREIGN STUDENTS
139
Territories - 3
D.C.
HAWAII
ALASKA
Longitude West 95 of Greenwich



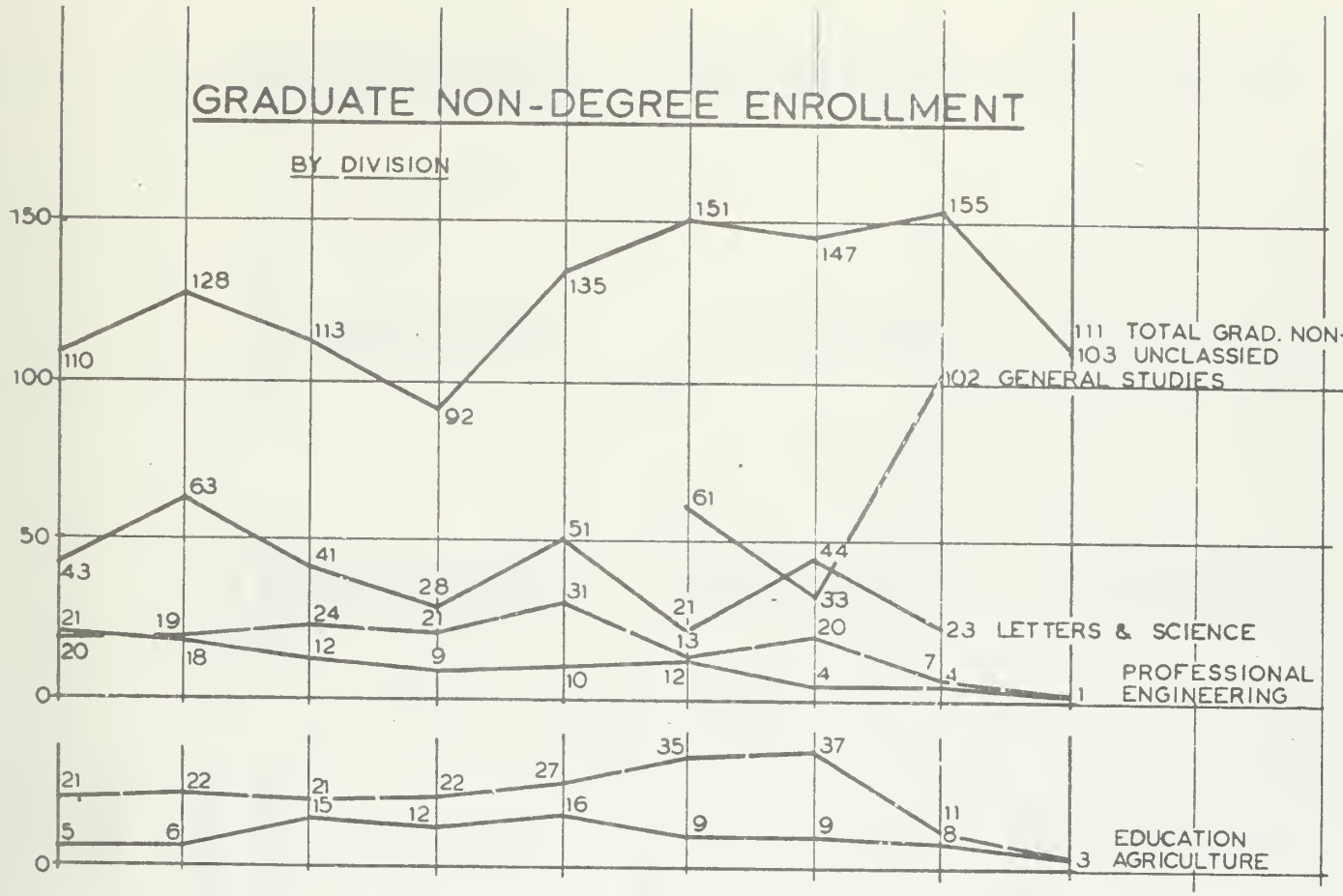
UNDERGRADUATE ENROLLMENT

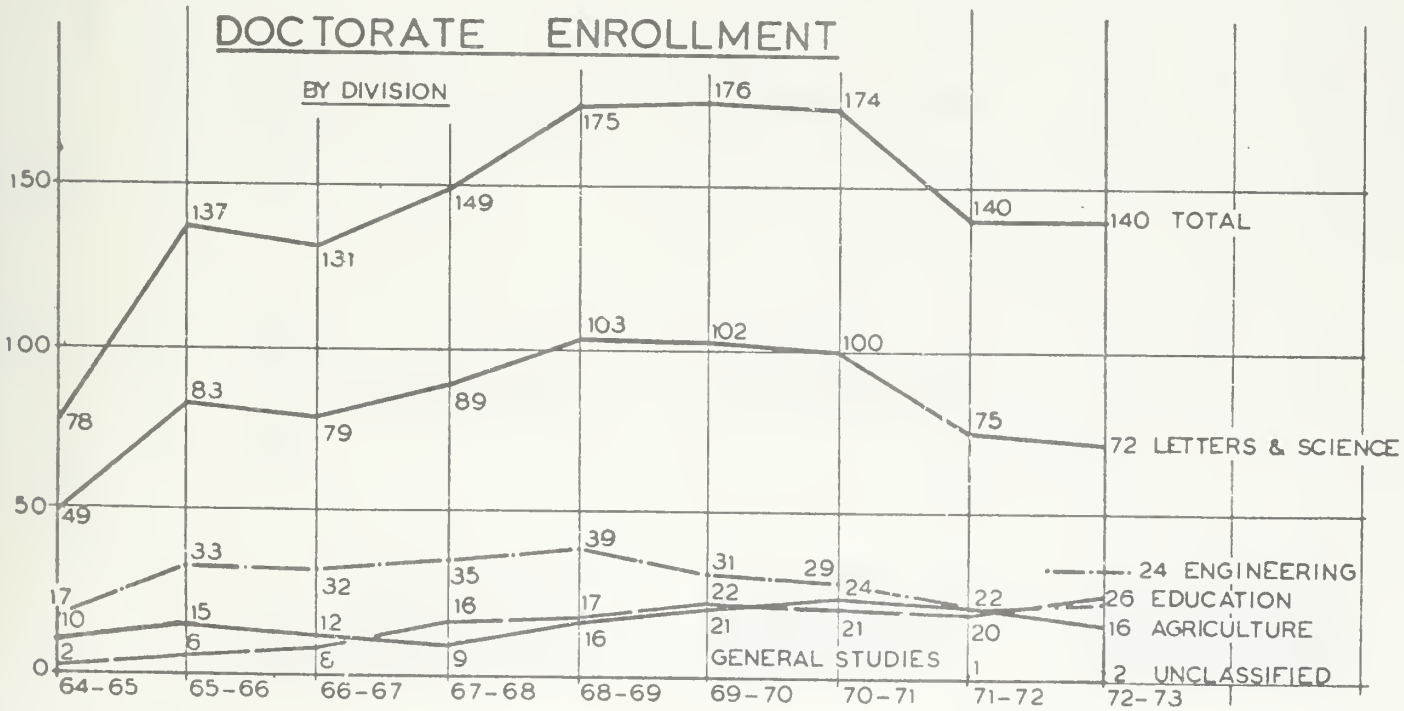
BY DIVISION

MONTANA STATE UNIVERSITY



MONTANA STATE UNIVERSITY

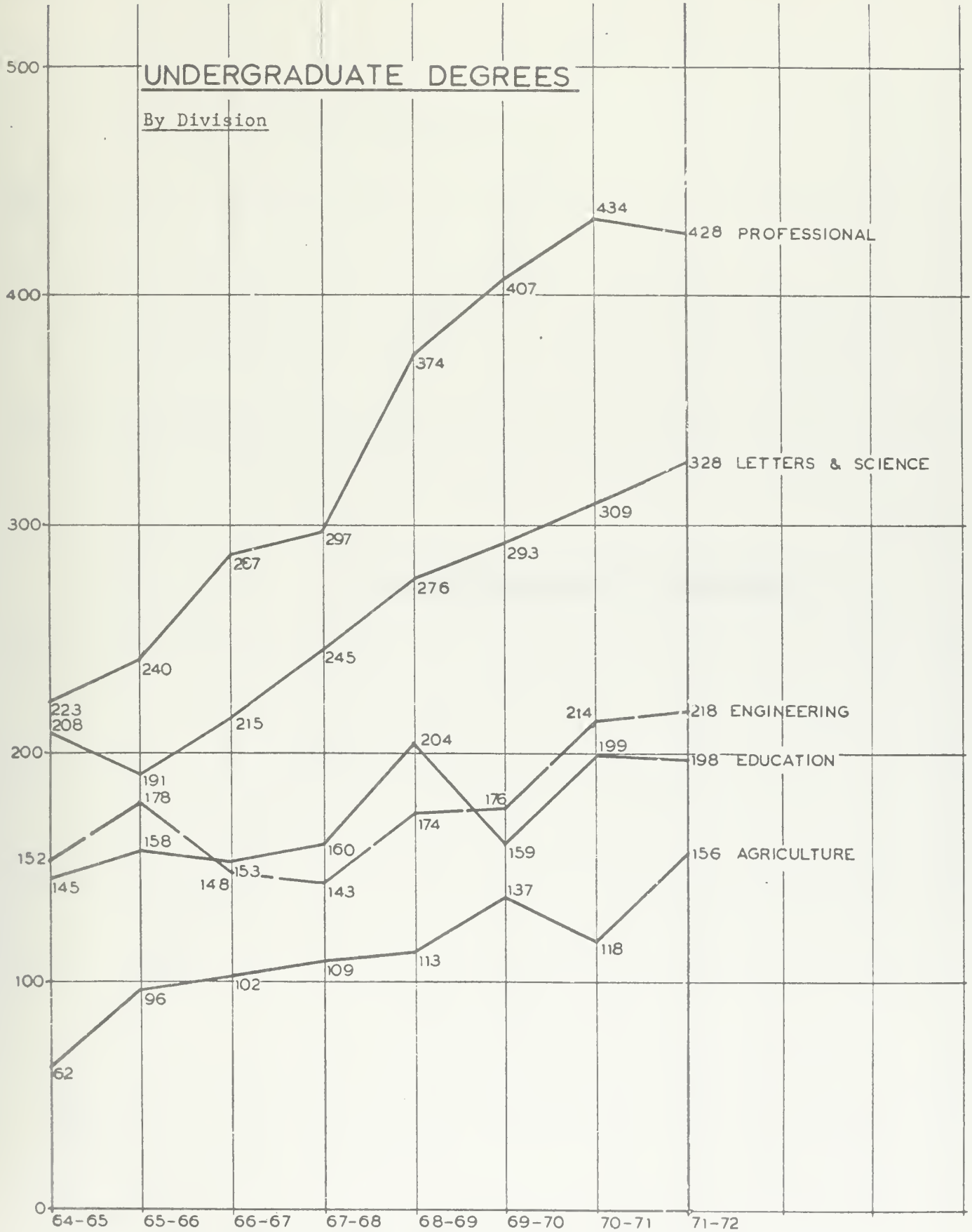

GRADUATE NON-DEGREE ENROLLMENT
BY DIVISION
150
100
50
0
110
128
113
92
135
151
147
155
111 TOTAL GRAD. NON-DEGREE
103 UNCLASSIED
102 GENERAL STUDIES
43
63
41
28
51
21
61
33
44
23 LETTERS & SCIENCE
21
19
24
21
31
13
20
7
4
1 PROFESSIONAL ENGINEERING
20
18
12
9
10
12
4
21
22
21
22
27
35
37
11
8
3 EDUCATION
5
6
15
12
16
9
9
AGRICULTURE


DOCTORATE ENROLLMENT
BY DIVISION
150
100
50
0
175
176
174
140
140 TOTAL
137
131
149
78
83
79
89
103
102
100
75
72 LETTERS & SCIENCE
49
17
33
32
35
39
31
29
24 ENGINEERING
10
15
12
18
17
22
24
22
26 EDUCATION
2
6
8
9
16
21
21
20
16 AGRICULTURE
GENERAL STUDIES
1
2 UNCLASSIFIED
64-65
65-66
66-67
67-68
68-69
69-70
70-71
71-72
72-73

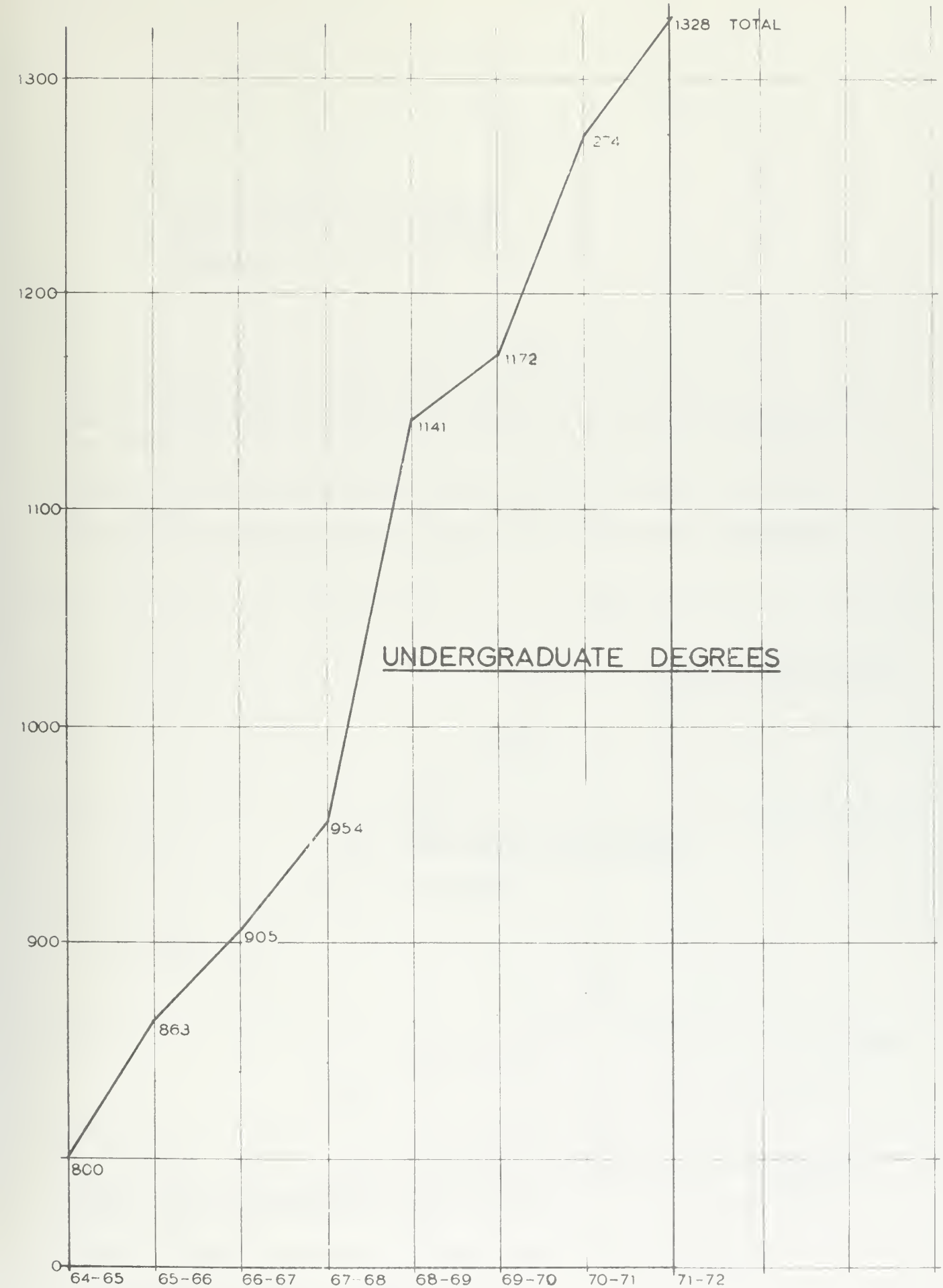
DEGREES GRANTED

Montana State University
Bozeman, Montana

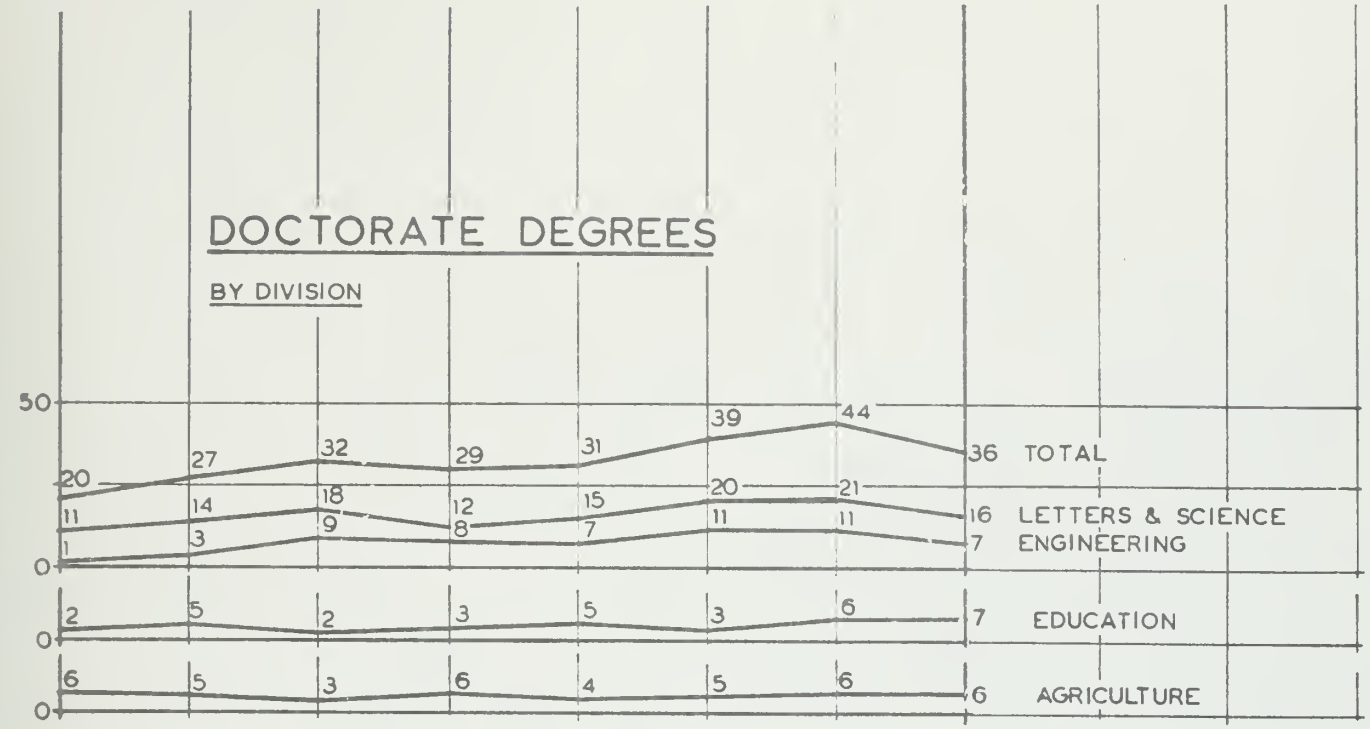
Year	Agriculture	Education	Engineering	Letters & Science	Professional	Total
Undergraduate						
1964-65	62	145	152	208	233	800
1965-66	96	158	178	191	240	863
1966-67	102	153	148	215	287	905
1967-68	109	160	143	245	297	954
1968-69	113	204	174	276	374	1,141
1969-70	137	159	176	293	407	1,172
1970-71	118	199	214	309	434	1,274
1971-72	156	198	218	328	428	1,328
Masters						
1964-65	23	22	32	52	11	140
1965-66	18	31	31	42	16	138
1966-67	19	26	18	46	19	128
1967-68	28	29	28	72	23	180
1968-69	28	31	45	84	21	209
1969-70	21	61	36	84	29	231
1970-71	36	63	41	123	32	295
1971-72	21	70	41	95	35	262
Doctorates						
1964-65	6	2	1	11		20
1965-66	5	5	3	14		27
1966-67	3	2	9	18		32
1967-68	6	3	8	12		29
1968-69	4	5	7	15		31
1969-70	5	3	11	20		39
1970-71	6	6	11	21		44
1971-72	6	7	7	16		36

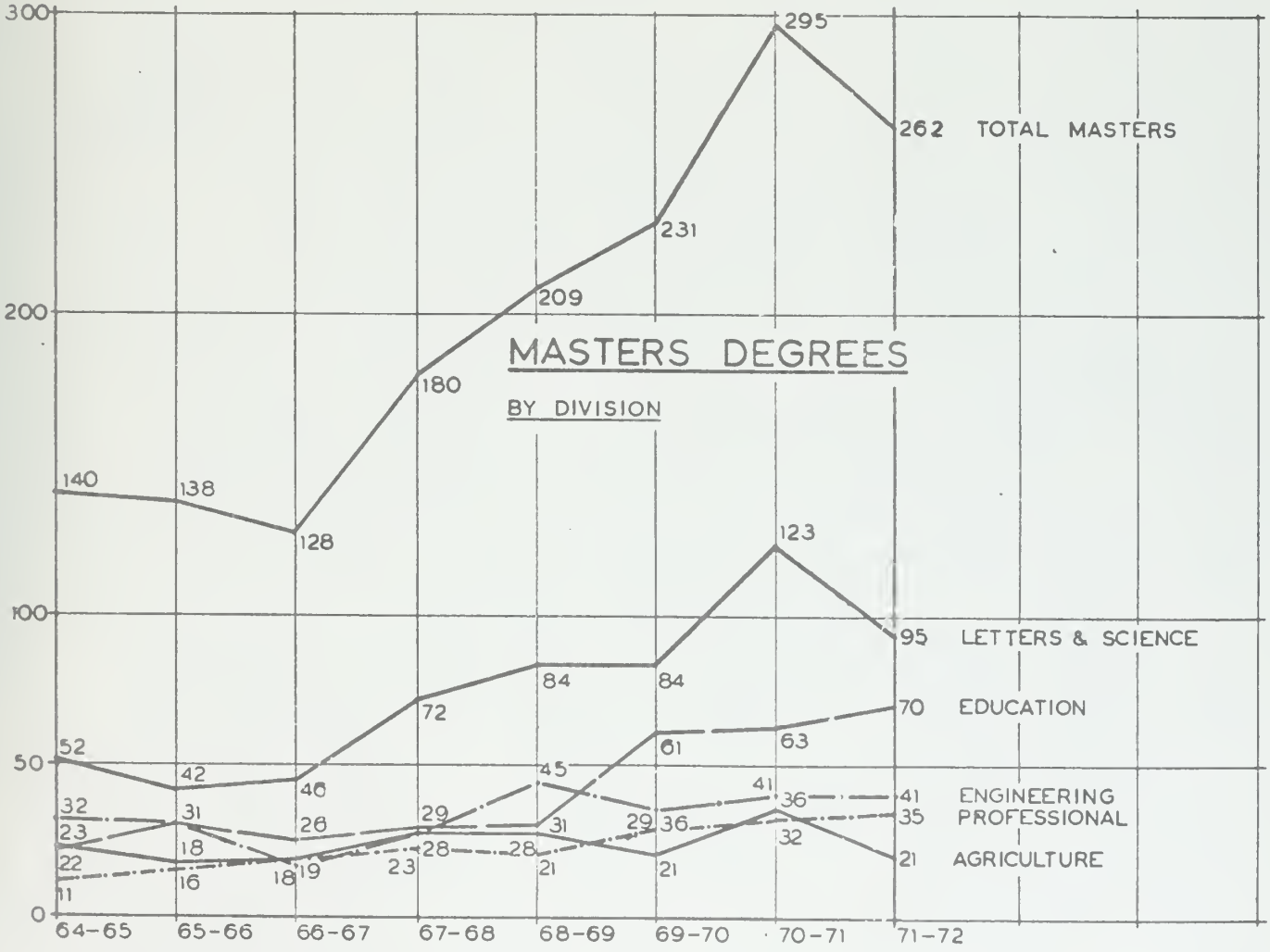


MONTANA STATE UNIVERSITY



MONTANA STATE UNIVERSITY





MONTANA STATE UNIVERSITY

NORTHERN MONTANA COLLEGE

Havre, Montana

NORTHERN MONTANA COLLEGE

Statement of Role and Scope

The future development of Northern Montana College should be predicated upon the following commitments to higher education in Montana:

1. Constant striving toward excellence in fulfilling its traditional roles in teacher education and vocational-technical education.

2. Concentration upon instruction rather than upon research or wide public service, while still recognizing its possible responsibilities in the latter two areas.

3. Recognition that, to serve adequately any of its students, a modern state college must be more than a single purpose institution; e.g., prospective teachers are best prepared in a setting which encourages study in both professional education and academic disciplines.

4. Recognition that a dilution of its own valid purposes, as well as those of the university system, will result from attempts to assume the functions or scope of a university.

Adherence to these commitments would result in the following statements concerning the role and scope of the college:

> Northern Montana College should provide curricula in teacher education through the master's degree. It should provide curricula in the liberal arts through the baccalaureate degree. It should provide curricula in vocational-technical education in those areas and at those degree or certificate levels which are, or become, appropriate in this rapidly changing field. In general, it should confine its research efforts to the improvement of instruction, except in the vocational-technical area, where, because of its unique resources, it also has unique responsibilities for in-depth research. Its public service responsibilities should be principally confined to aiding public schools in improving their services.

NORTHERN MONTANA COLLEGE

Extension and Public Service Statement

Goals and Functions - Actual and Projected

In order to better serve the people of Montana, and particularly those in the Hi-Line area, Northern Montana College carries on an extension and public service program. These programs are conducted as a need for them is shown and as they are requested.

Extension courses in Vocational-Technical Education are carried on statewide, but particularly in the locations in which area vocational-technical schools are located.

Extension and public service programs are expected to expand as more requests are received for such services from schools and other agencies.

NORTHERN MONTANA COLLEGE

Research Statement

Research efforts at Northern Montana College should be confined, in general, to the improvement of instruction and to indepth research in the vocational-technical area. This may include both Basic and Applied Research.

In the Vocational-Technical field this would include research concerned with newly evolving industrial and commercial processes and techniques which would effect the objectives of existing and developing programs. Research in the area of manpower studies and needs, investigation and experimentation into recently developed teaching techniques and media, and studies in curriculum development would be carried on. Expanded research projects would be implemented as the need is demonstrated or as requests for such services may be presented by other agencies or organizations.

Some research is now being conducted by present staff members and graduate research assistants. Recognizing that the basic function of N.M.C. is to provide quality instruction, research can be carried on only as the financing of the instructional program permits or as special funds become available for this purpose through government grants or other sources.

ENROLLMENT

in Fall Semester of Each Year

Northern Montana College
Havre, Montana

Undergraduate*

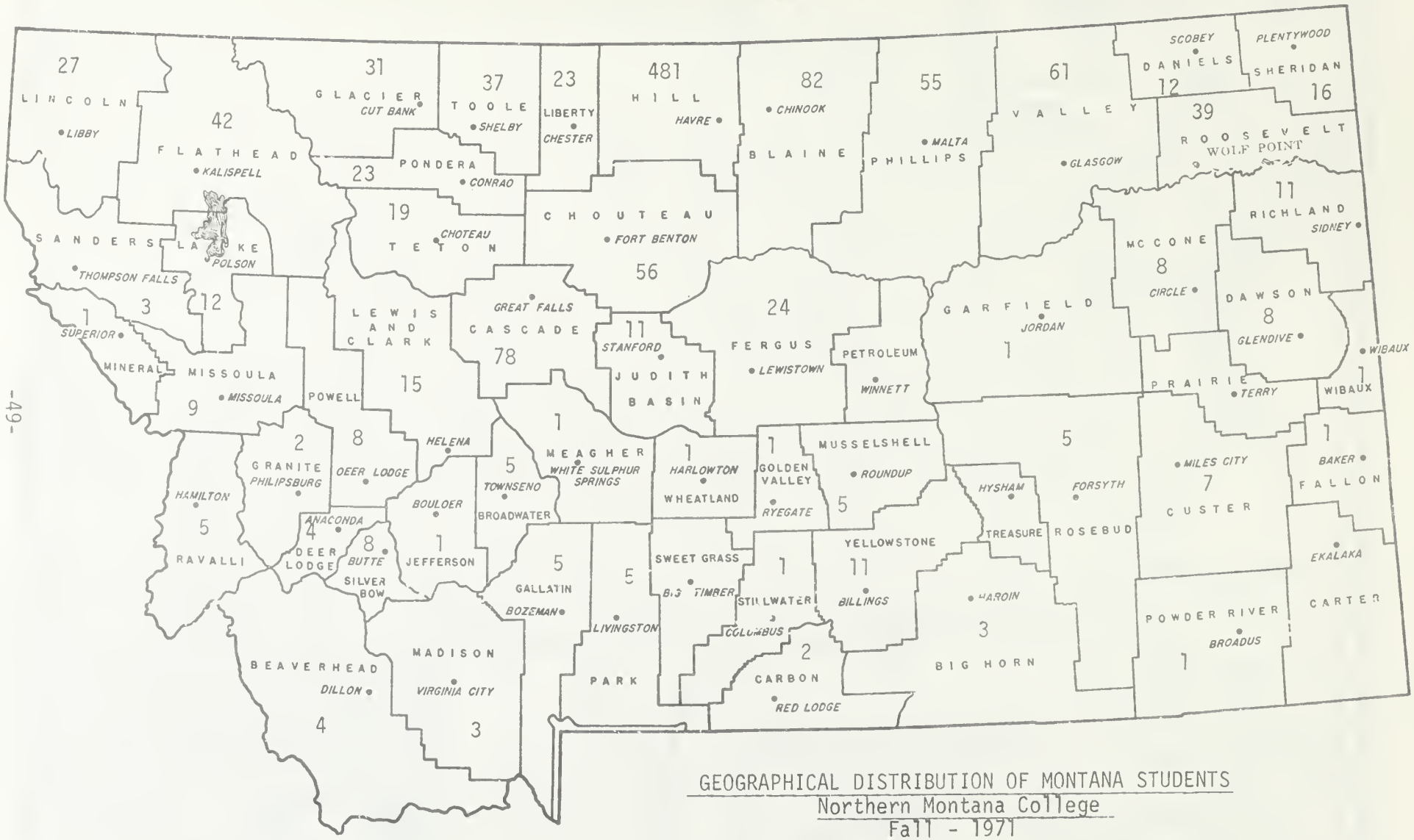
Year	Elementary Education	Secondary Education	Pre-Professional & General Studies	Vo-Technical Assoc. Degree 1 & 2 Year Certificates	Undergraduate Totals	Masters	Total Enrollment
1964-65	141	261	258	247	907		907
1965-66	130	302	328	329	1,089		1,089
1966-67	158	388	377	365	1,288		1,288
1967-68	162	399	359	364	1,284		1,284
1968-69	150	475	346	347	1,318	6	1,324
1969-70	184	560	368	324	1,436	35	1,471
1970-71	200	572	366	275	1,413	26	1,439
1971-72	146	459	345	341	1,291	39	1,330

Graduate

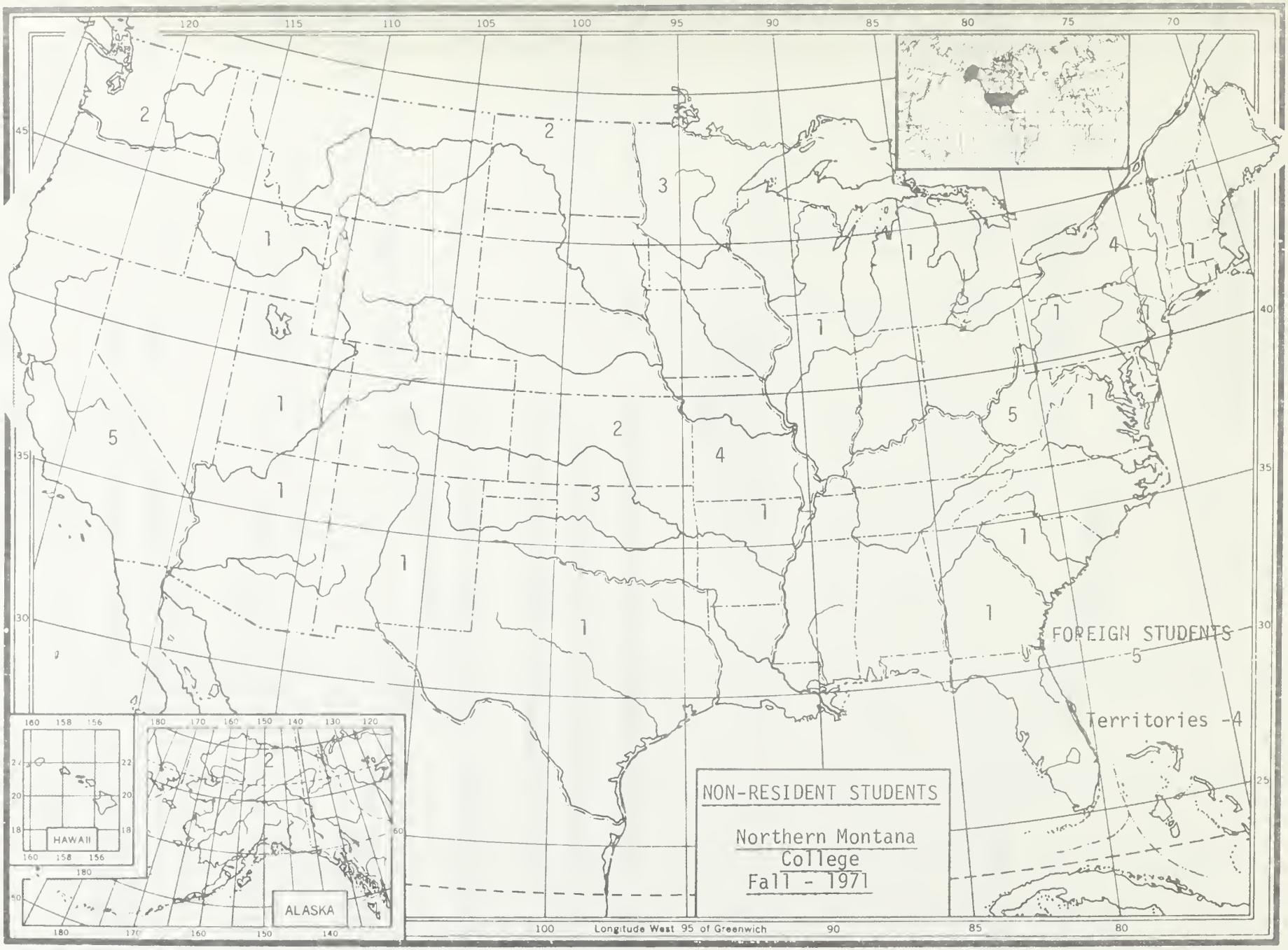
Year	Elementary Education	Vo-Technical	Transient
1968-69	2	0	4
1969-70	31	4	0
1970-71	16	7	3
1971-72	13	14	12

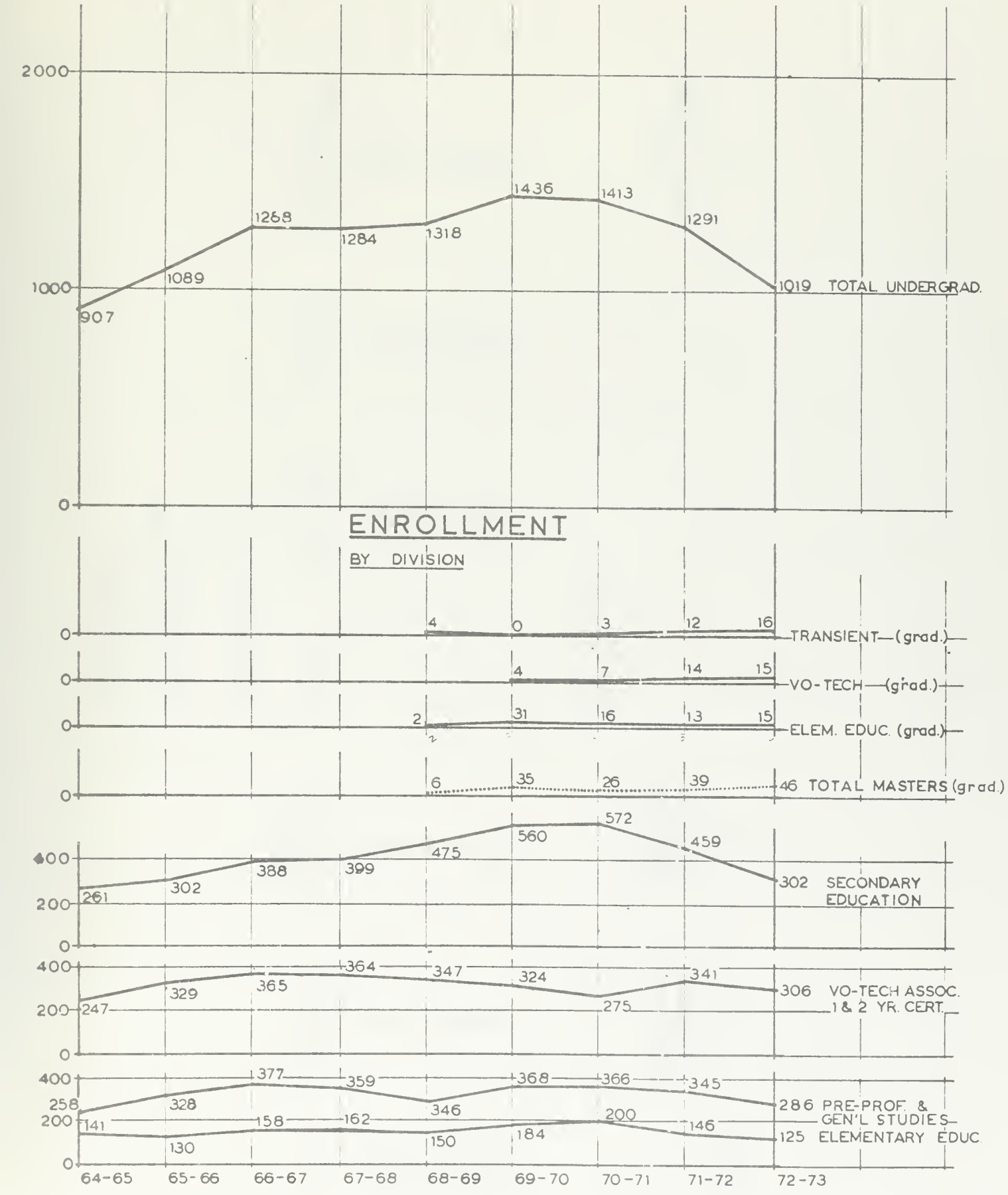
*Non-degree grads included in undergraduate totals.

MONTANA



GEOGRAPHICAL DISTRIBUTION OF MONTANA STUDENTS
Northern Montana College
Fall - 1971


NON-RESIDENT STUDENTS
Northern Montana
College
Fall - 1971
FOREIGN STUDENTS
5
Territories -4
HAWAII
ALASKA
Longitude West 95 of Greenwich



NORTHERN MONTANA COLLEGE

DEGREES GRANTED

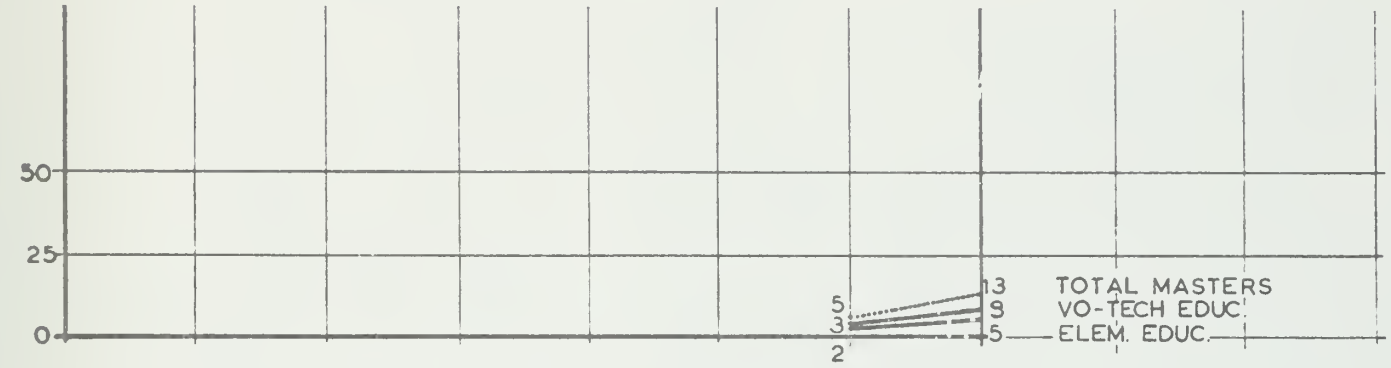
Northern Montana College
Havre, Montana

Undergraduate

Year	Elementary Education	Secondary Education Including VTE	Bachelor of Arts	1 & 2 Year Certificates	Associate Degrees	Total of Bachelor Degrees
1964-65	59	45		(89)		104
1965-66	43	56		(64)	(1)	99
1966-67	67	55		(98)	(6)	122
1967-68	50	60		(78)	(32)	110
1968-69	58	85		(79)	(21)	143
1969-70	65	84	2	(86)	(28)	151
1970-71	53	128	6	(86)	(39)	187
1971-72	61	115	4	(103)	(24)	180

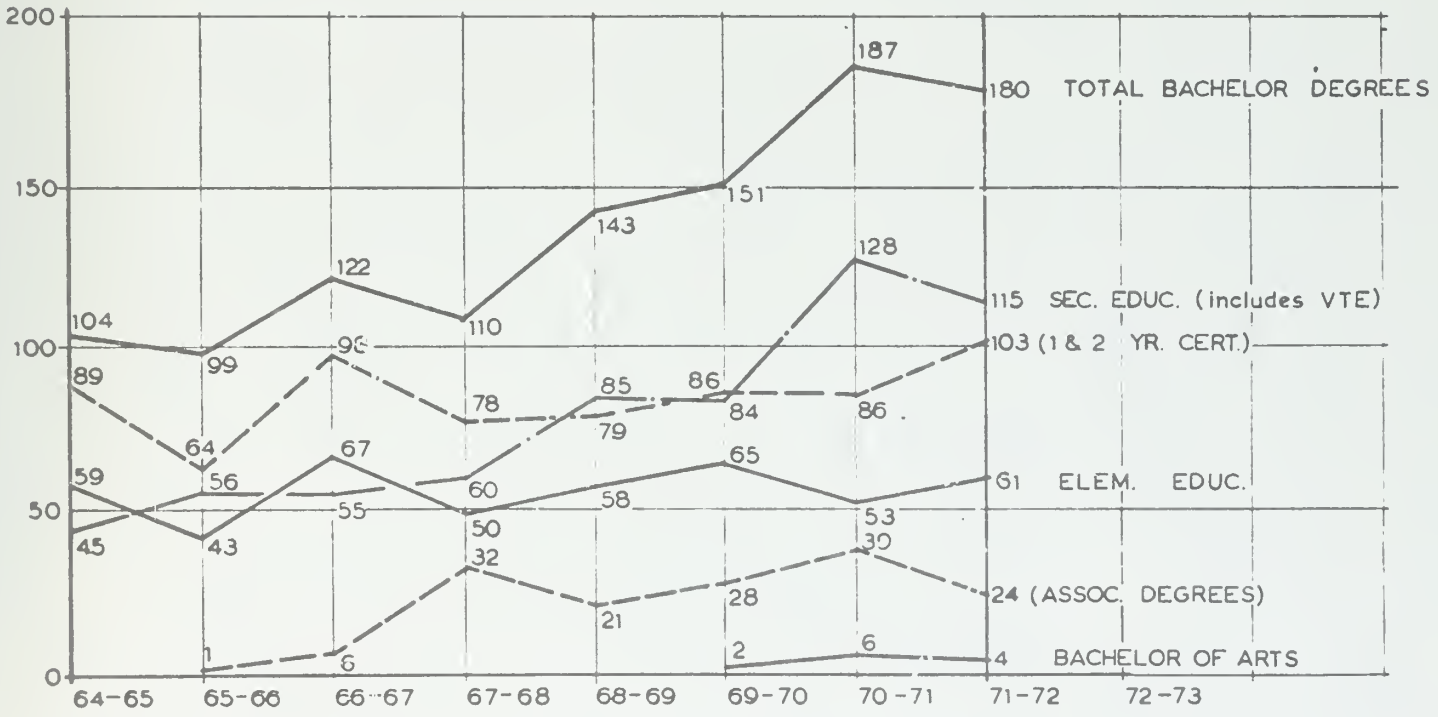
Masters Degrees

	Elementary Education	Vocational-Technical Education	Total Masters Degrees
1970-71	2	3	5
1971-72	5	8	13



DEGREES

BY DIVISION



NORTHERN MONTANA COLLEGE

UNIVERSITY OF MONTANA

Missoula, Montana

UNIVERSITY OF MONTANA

Statement of Role and Scope

The University of Montana possesses a distinctive statutory identification within the Montana University System. Section 75-8405, Revised Codes of Montana, specifies that this institution "shall have for its purpose instruction in all the departments of science, in literature, in the arts, and in industrial and professional education;" and provides for the establishment of law and forestry schools. Section 75-8406 specifies that there be "a preparatory department, which may be dissolved as the regents deem wise, containing courses designed to prepare a student for the regular department." It provides for "a department of literature, science, and the arts, offering courses which shall include: mathematics, physical and natural sciences, with their application to the industrial arts; languages, literature, history, and philosophy; and other courses at the regents' discretion." Section 75-8406 further states that there be professional and technical departments, and that "when the income of the university allows and demands require, the courses may form departments with a faculty and an appropriate title."

In meeting these responsibilities, the University of Montana has adapted to the continually changing requirements of a dynamic society in teaching both undergraduates and graduates, in research, and in service to the people of Montana.

Undergraduate Education. A balanced undergraduate education makes available to the student a fund of knowledge. More significantly, it liberates his intellectual capacities for continued learning and deepens his awareness of ethical and aesthetic values. The means toward the achievement of these goals include:

1. teaching that stimulates the student and inspires him to continue, on his own, the search for knowledge;

2. a campus environment that enhances the efforts of teachers and students to achieve the basic objectives for which the University exists;

3. a curriculum that

   (a) provides reasonable depth in the several liberal arts disciplines--the biological, physical and social sciences, the humanities, and the fine arts;

   (b) requires demonstrated literacy in use of the English language and encourages competence in foreign language;

   (c) reveals man's great insights and discoveries of the past and stimulates the individual to seek new insights and discoveries;

   (d) provides maximum opportunities for each student to develop his individual talents and capacities;

(e) encourages a growing awareness of the significance of ethical values and the personal and social responsibilities of the educated person;

(f) provides opportunity for development of professional and technical competence as a practitioner in some field of endeavor by focusing knowledge and experience from many fields, emphasizing the principles and methods basic to the field, cultivating needed skills, and by inculcating the profession's standards.

Graduate Education. At the University of Montana graduate education, emphasizing advanced training in the disciplines of scholarship, research, and critical analysis, affords the able student opportunities to

1. advance his knowledge in areas of his interest and competence and extend his unique intellectual qualities;

2. increase his potential for significant contribution to man's fund of knowledge; and

3. enlarge his capacity for leadership in scientific or professional service.

The graduate program at the University exploits special advantages of location, faculty interests and expertise, and facilities. Master's degrees are offered in most fields, some for terminal purposes and others to lead to more advanced work. Fifth and sixth year programs not involving a degree are offered in some areas. Doctoral programs are offered in a limited number of carefully selected disciplines.

Research. Research, scholarship, and other creative contributions in the natural sciences, social sciences, humanities, fine arts, and professions, represents an inherent part of the University's functions. Research goes hand in hand with teaching and with community service. The University's contribution both in fundamental research and in research which has more immediate or practical applications will foster the growth and the strength of the State of Montana and of the nation.

1. Both basic and applied research are encouraged at the University of Montana. Because the essential value of the University to society is related to the advancement of fundamental knowledge, it is particularly important that basic research be encouraged.

2. Through involvement in research activities, students are afforded an introduction to an active and creative role in the search for knowledge and thus becomes a vital part of their education.

3. Research is integral to the University's instructional program, and it results from the contribution of educators engaged in the pursuit and expansion of knowledge.

Service. Service to the community is an important function of the University of Montana.

1. The University's instructional resources are made available, consistent with the requirements of on-campus instruction and research, for formal extension courses in response to demands which can be best met in this way.

2. Through institutes, short courses, lectures, and exhibitions, on campus and around the State, and through publications, advances in knowledge in fields in which the University is working are communicated to the profession and to the people of Montana generally.

3. Through consultation provided by its scientists and scholars in the arts, sciences, and professions, the University lends expert assistance in the solution of public problems.

4. The cultural resources and services of the faculty and student body in fine arts, literature, and other fields are available to the community. Such services contribute positively to the education of students and to public understanding of the University's functions.

UNIVERSITY OF MONTANA

Extension and Public Service Statement

The goals of the University Extension and Continuing Education are as follows:

1. To provide courses leading to undergraduate degrees for individuals unable to attend full-time daytime campus programs or for regular university students by petition. Extension and Continuing Education programs may differ from customary degree sequences in teaching method and in curriculum. Many include provision for independent study, for credits earned by examination or by evaluation of knowledge and skills gained through work experience or self-study, and for waivers of usual residential requirements.

2. To provide opportunities for adults to pursue post-baccalaureate studies leading to professional or graduate degrees, by means of programs and curricula especially designed for those adults, including teachers and other professionals, who have needs and interests that justify either greater specialization or broader generalization.

3. To provide opportunities for adults to continue their development as individuals and as citizens, including their general liberal education, intellectual growth, esthetic enjoyment and creative activity, increased understanding of changing personal relationships, and wise use of recreational and discretionary time to make themselves better informed consumers, workers family members, and responsible members of their communities.

4. To provide opportunities for individuals of all ages to continue their vocational or professional educations beyond and apart from their degree programs, through various seminars, short courses, conferences and institutes, and through independent or directed study.

5. To assist and to work directly with communities and with community institutions in identifying the services, the research, and teaching resources of the university and the community.

6. To provide and develop research and training programs directed toward identified community needs.

UNIVERSITY OF MONTANA

Research Statement

A modern university achieves its goals through its functions of teaching, public service, and research. Though distinguishable within the University, instruction and research are inseparable as to their purposes and goals.

The University of Montana has always encouraged research by its faculty; however, until the last dozen years or so, this scholarly function was seldom financed directly. Since Sputnik, the amount of federal funds available and the variety of programs have grown greatly. The University has enjoyed a doubling of its research and training programs activity every three years since 1956.

For the 1971-72 year, the number of grants and contracts in force was approximately 400, representing a value of approximately $7.1 million. Expenditures from the foregoing for FY 1971-72 amounted to $5.0 millon.

Additionally, many proposals that have been submitted this year have yet to be evaluated. Their value, with half of the application period remaining, is already $3.7 million. At the present time our ratio of successful applications to the total number submitted is 60 percent; this figure applies only to new applications and does not include renewals or continuation grants.

Of all the grant monies from external sponsors, close to 95 percent have come from nationally competitive programs, i.e., they are not the consequence of regional or other arbitrary allocations, but were awarded upon the recommendation of the various panels of consultants.

These sponsored programs support more and better teaching for all students. They pay for supplies and equipment, capital items, professional travel, publishing--items of expense that would otherwise have to be charged to a state source or to student fees. The community at large benefits from lectures, workshops, the traveling repertory theater and music groups, the Fine Arts Camp for high school students, juvenile delinquency prevention programs, social welfare services, programs on drug and alcohol abuse, speech and hearing clinic therapy, the training of mental retardation specialists, the clinical legal education program, audiological services for senior citizens, and studies of the problems of the aging--to mention only a few of the areas where state, federal and private sponsors have made it possible for the University to make important contributions to Montana citizens.

Research and research training is challenged today to strengthen and enhance the University in ways which advance the goals and objectives of higher education for the State of Montana.

The formally established research organizations at the University of Montana include:

Biological Station
Bureau of Business and Economic Research
Bureau of Government Research
Center for Economic Education
Deer Lodge Research Unit
Division of Educational Research and Service
Environment and Resource Analysis Center
Environmental Studies Center
Forest and Conservation Experiment Station
Institute for Social Science Research
Lubrecht Experimental Forest
Montana Cooperative Wildlife Research Unit
Stella Duncan Memorial Institute
Wood Chemistry Research Laboratory

Cooperative research adjuncts:

U. S. Forest Service--Forest Sciences Laboratory
U. S. Forest Service--Northern Forest Fire Laboratory
U. S. Public Health Service--Rocky Mountain Laboratory

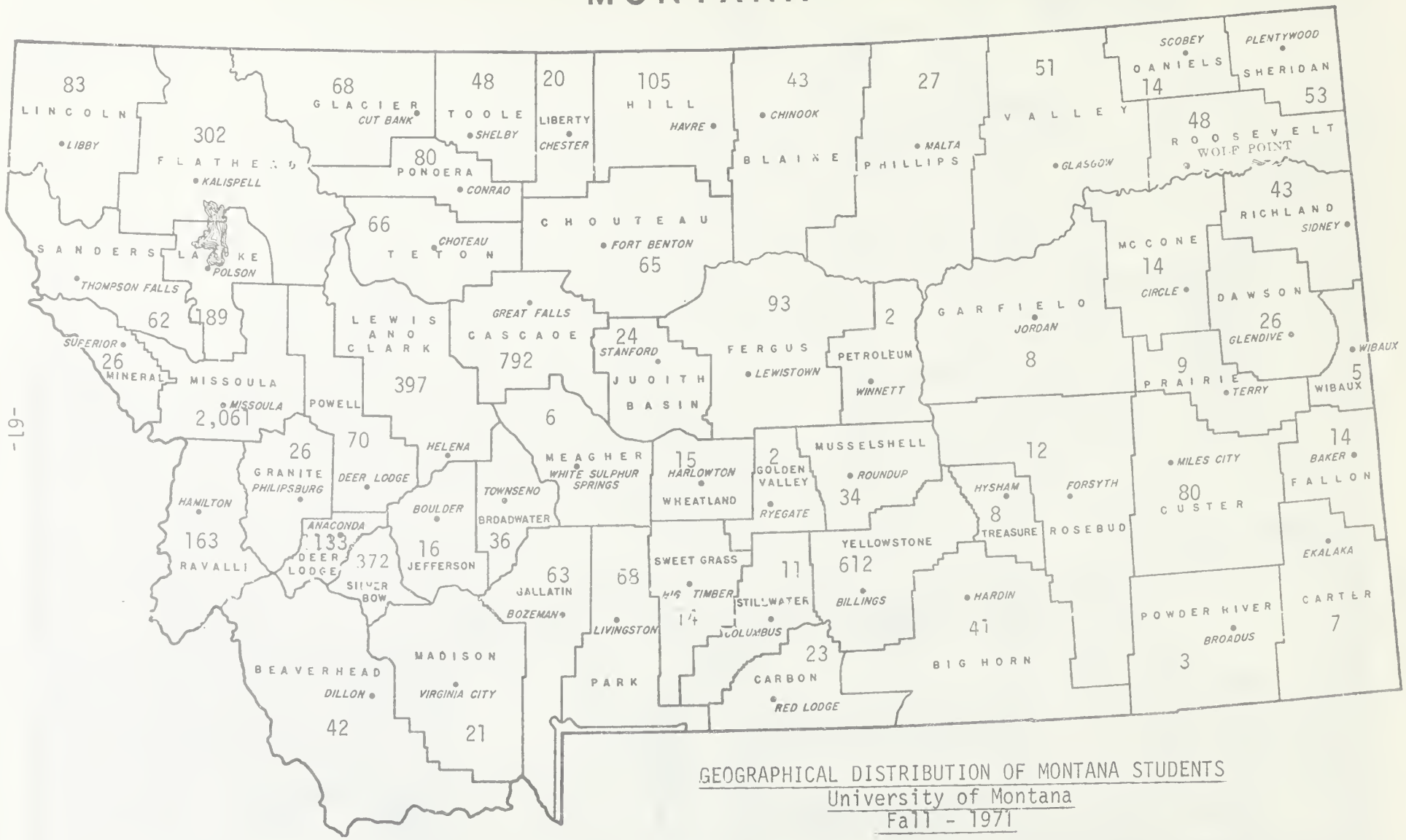
ENROLLMENT
In Fall Quarter of Each Year

University of Montana
Missoula, Montana

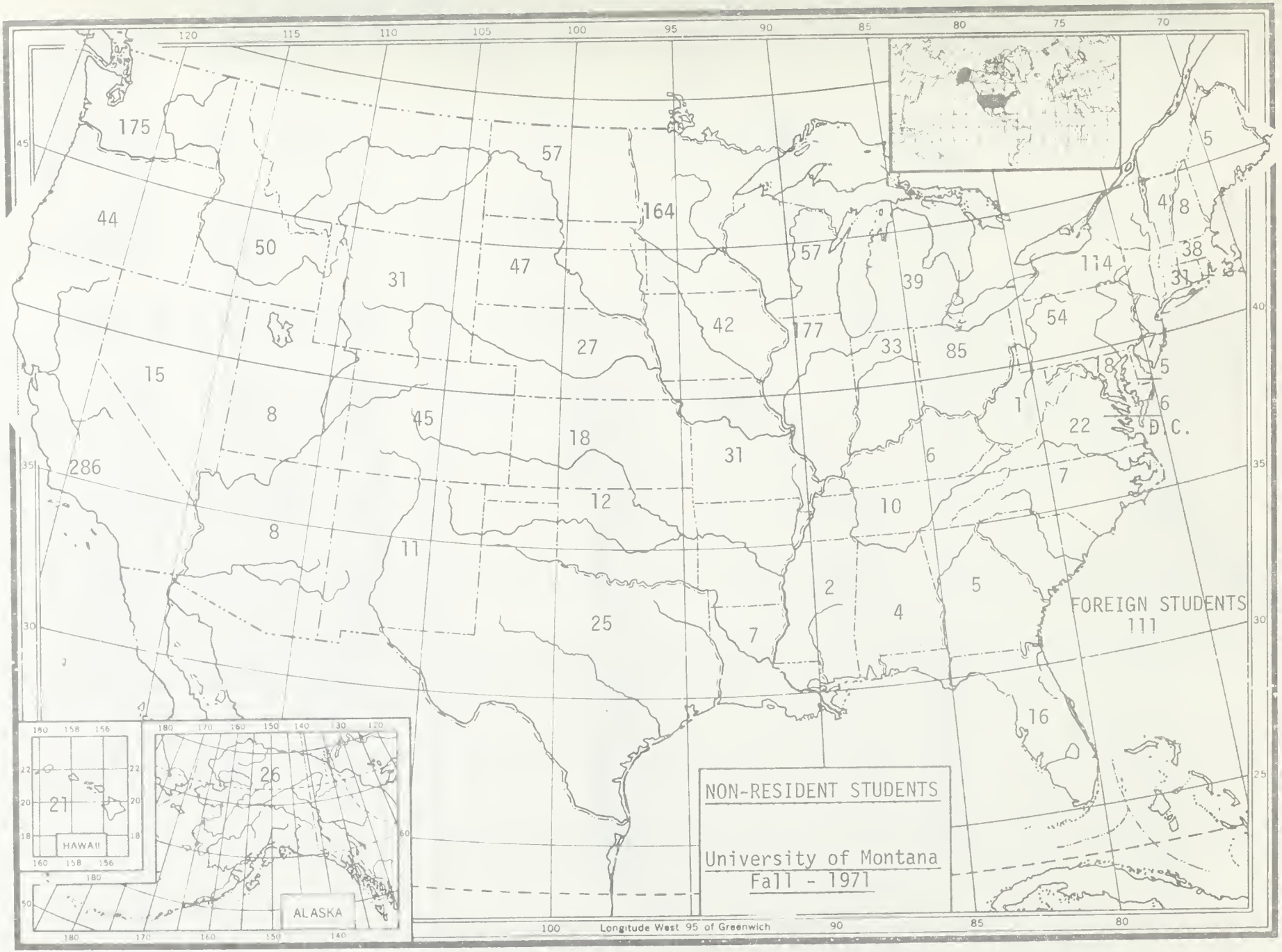
Year	Arts & Sciences	Fine Arts	Business Admin.	Education	Forestry	Journalism	Pharmacy	Law	Total
Undergraduate									
1964-65	3,157	253	298	463	310	133	161	3	4,778
1965-66	3,502	247	348	555	388	133	102	4	5,279
1966-67	3,452	269	394	551	309	150	170	3	5,298
1967-68	3,582	297	436	668	317	158	166		5,624
1968-69*	4,347	372	341	738	270	177	160		6,405
1969-70	4,694	428	307	795	378	200	167		6,969
1970-71	4,809	455	418	789	433	223	149		7,276
1971-72	5,263	449	398	659	526	265	153		7,713
Masters									
1964-65**	239	27	35	61	34	4	6	123	529
1965-66	239	36	34	38	35	4	1		387
1966-67	268	41	38	50	34	6	10		447
1967-68	307	46	49	66	32	5	8		513
1968-69*	290	42	131	71	25	7	9		575
1969-70	268	36	139	42	27	7	-		519#
1970-71	388	35	154	81	31	10	3		702
1971-72	381	53	183	82	36	11	10		756
Ph.D., Ed.D., or Juris Doctor* **									
1964-65**									
1965-66	62			13	4			121	200
1966-67	86			14	6			135	241
1967-68	96			21	5			148	270
1968-69	109			32	4			132	277
1969-70	107			32	8		2	122	271#
1970-71	101			53	11			176	341
1971-72	100			54	13			164	331

* 1968-69 enrollments are gross figures, rather than net
** Masters and Doctorals are combined in 1964-65
*** All graduate Law students considered as Juris Doctor candidates since 1965
\# These figures do not include 144 Non-Degree graduate students

MONTANA



GEOGRAPHICAL DISTRIBUTION OF MONTANA STUDENTS
University of Montana
Fall - 1971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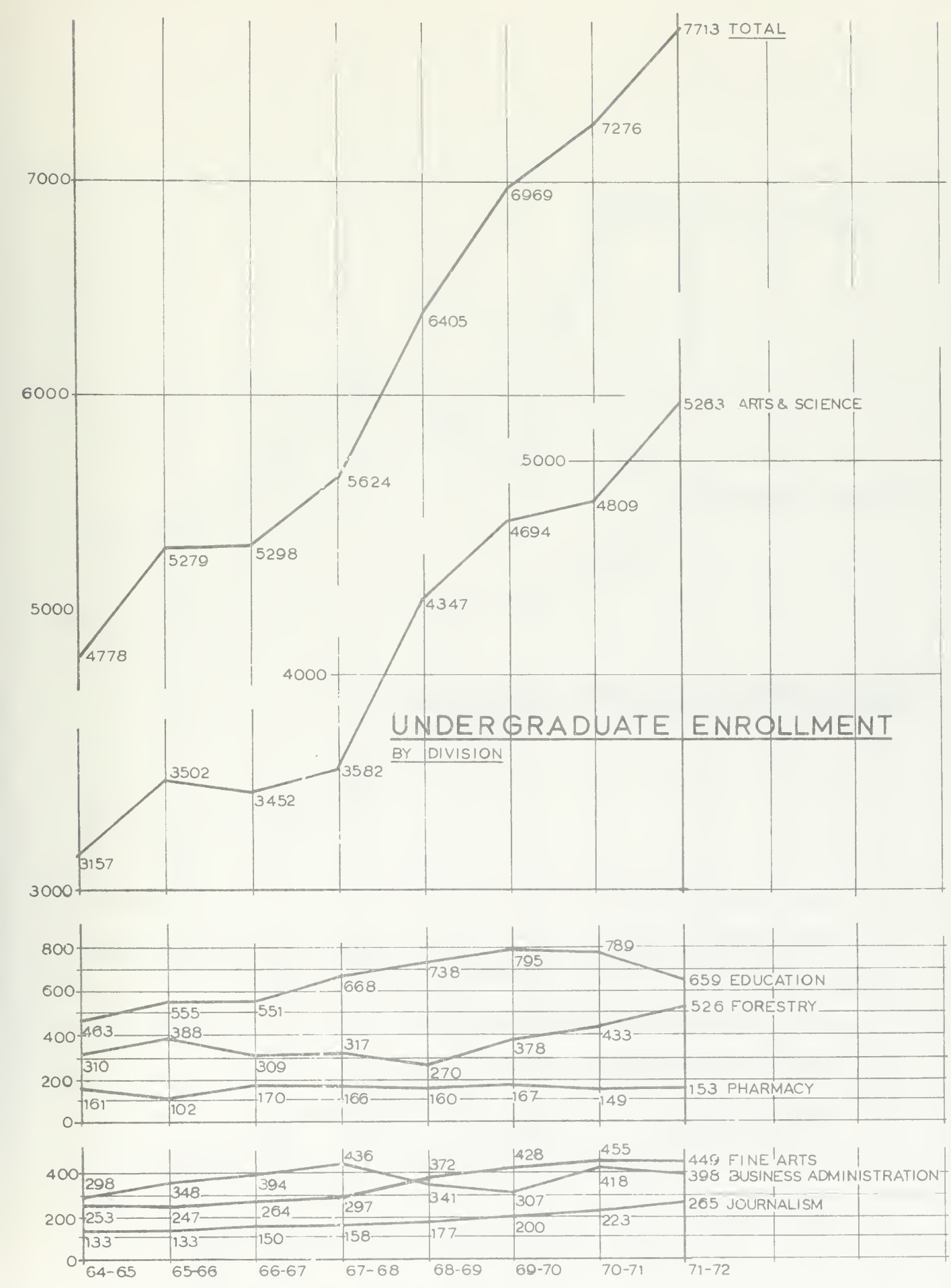
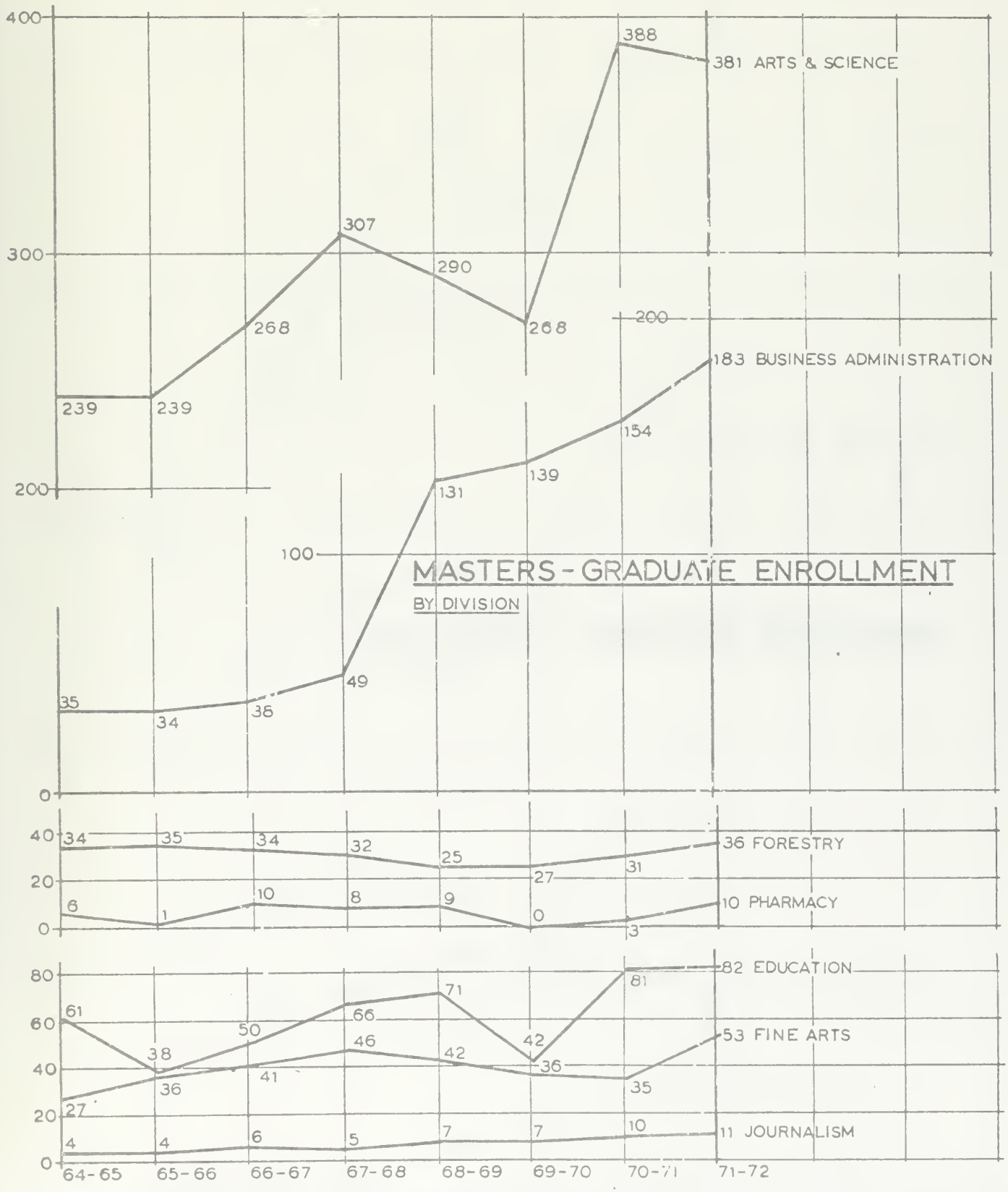
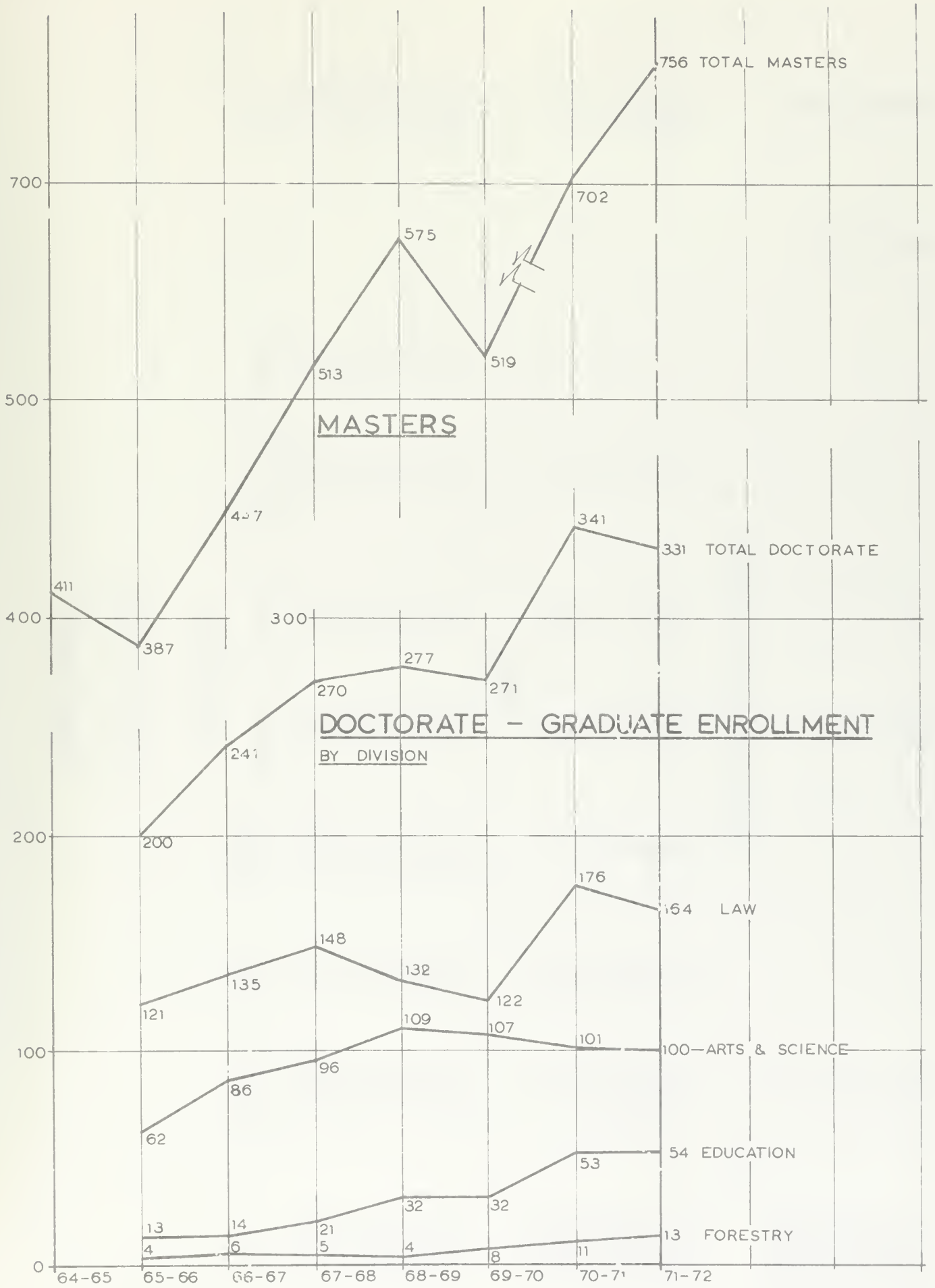
44
50
31
47
57
164
27
42
57
39
177
33
85
114
54
15
8
45
18
31
6
1
22
7
286
8
12
10
11
2
4
5
25
7
16
5
4
8
38
31
18
5
6
D.C.
FOREIGN STUDENTS
111
NON-RESIDENT STUDENTS
University of Montana
Fall - 1971
HAWAII
21
26
ALASKA
Longitude West 95 of Greenwich


UNDERGRADUATE ENROLLMENT
BY DIVISION
7713 TOTAL
7276
6969
6405
5624
5298
5279
4778
5283 ARTS & SCIENCE
4809
4694
4347
3582
3452
3502
3157
659 EDUCATION
789
795
738
668
555
551
463
526 FORESTRY
433
388
378
317
309
310
270
153 PHARMACY
170
166
160
167
149
161
102
449 FINE ARTS
398 BUSINESS ADMINISTRATION
265 JOURNALISM
436
455
428
372
418
394
348
298
341
307
297
264
253
247
223
200
177
158
150
133
133
7000
6000
5000
4000
3000
800
600
400
200
0
64-65
65-66
66-67
67-68
68-69
69-70
70-71
71-72



UNIVERSITY OF MONTANA


MASTERS
DOCTORATE – GRADUATE ENROLLMENT
BY DIVISION
756 TOTAL MASTERS
702
575
519
513
457
411
387
341
331 TOTAL DOCTORATE
277
271
270
241
200
176
164 LAW
148
135
132
122
121
109
107
101
100—ARTS & SCIENCE
96
86
62
54 EDUCATION
53
32
32
21
14
13
13 FORESTRY
11
8
6
5
4
4
700
500
400
300
200
100
0
64-65
65-66
66-67
67-68
68-69
69-70
70-71
71-72

DEGREES GRANTED

University of Montana
Missoula, Montana

Undergraduate

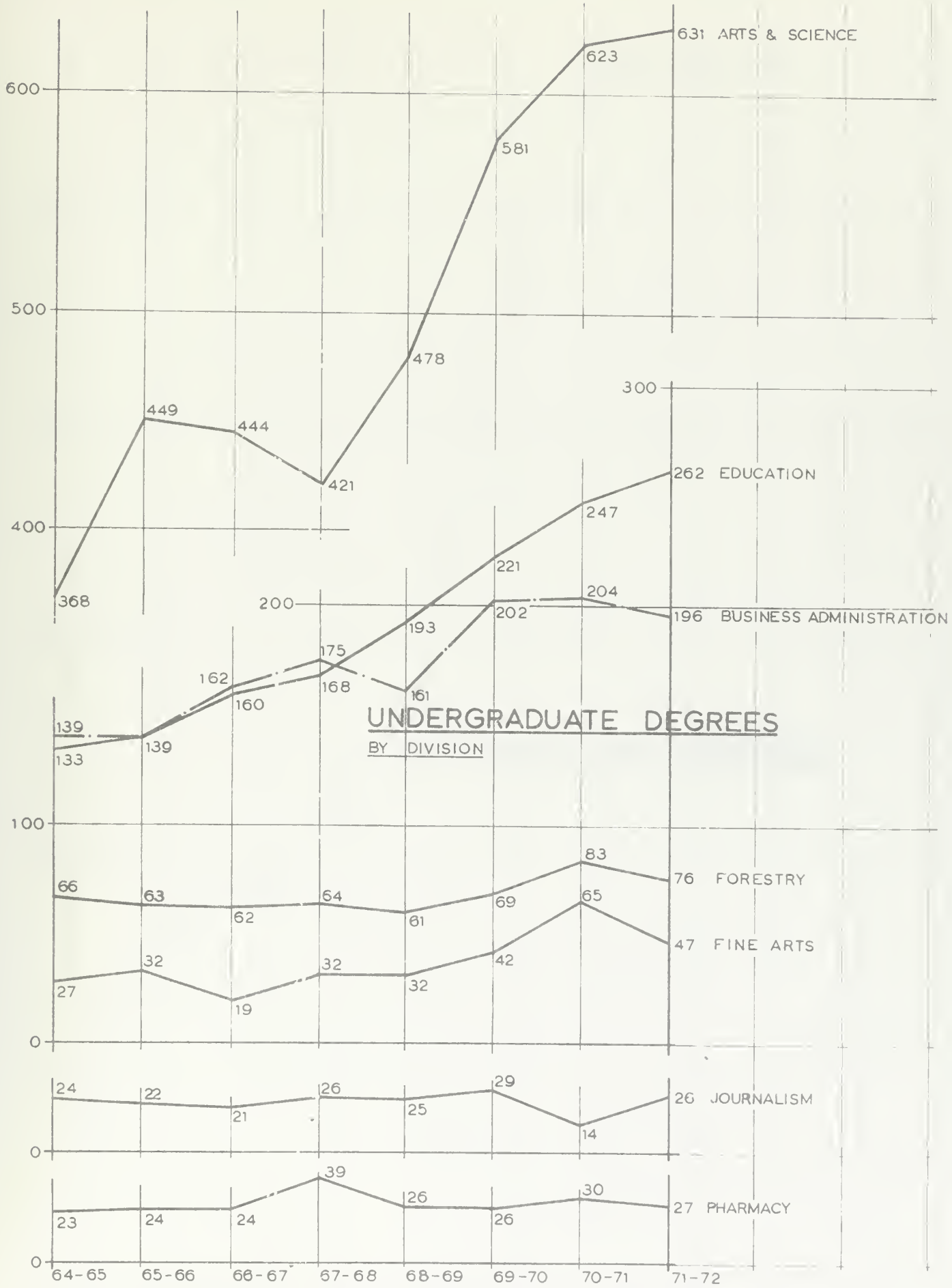
Year	Arts & Sciences	Fine Arts	Business Admin.	Education	Forestry	Journalism	Pharmacy	Law	Total
1964-65	368	27	139	133	66	24	23		780
1965-66	449	32	139	139	63	22	24		868
1966-67	444	19	162	160	62	21	24		892
1967-68	421	32	175	168	64	26	39		925
1968-69	478	32	161	193	61	25	26		976
1969-70	581	42	202	221	69	29	26		1,170
1970-71	623	65	204	247	83	14	30		1,266
1971-72	631	47	196	262	76	26	27		1,265

Masters

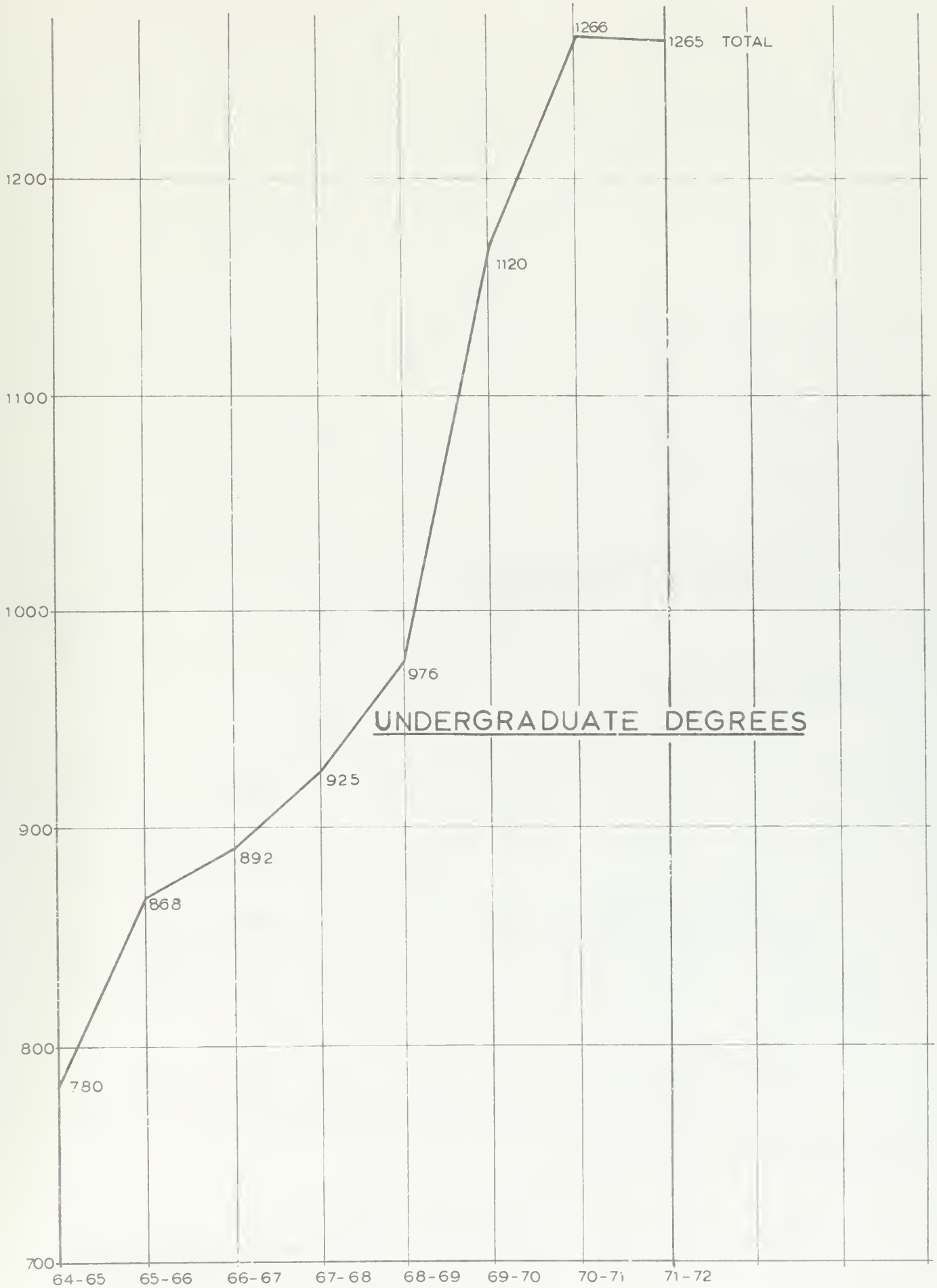
1964-65	79	20	5	58	6	2		21	170
1965-66	74	14	2	56	16	1		1	163
1966-67	89	25	7	58	11	2		3	192
1967-68	121	21	10	45	7	1	1	1	207
1968-69	131	23	8	53	7	2			224
1969-70	159	23	10	73	2	2			269
1970-71	122	21	41	100	11	2			303
1971-72	116	25	44	118	17	2			322

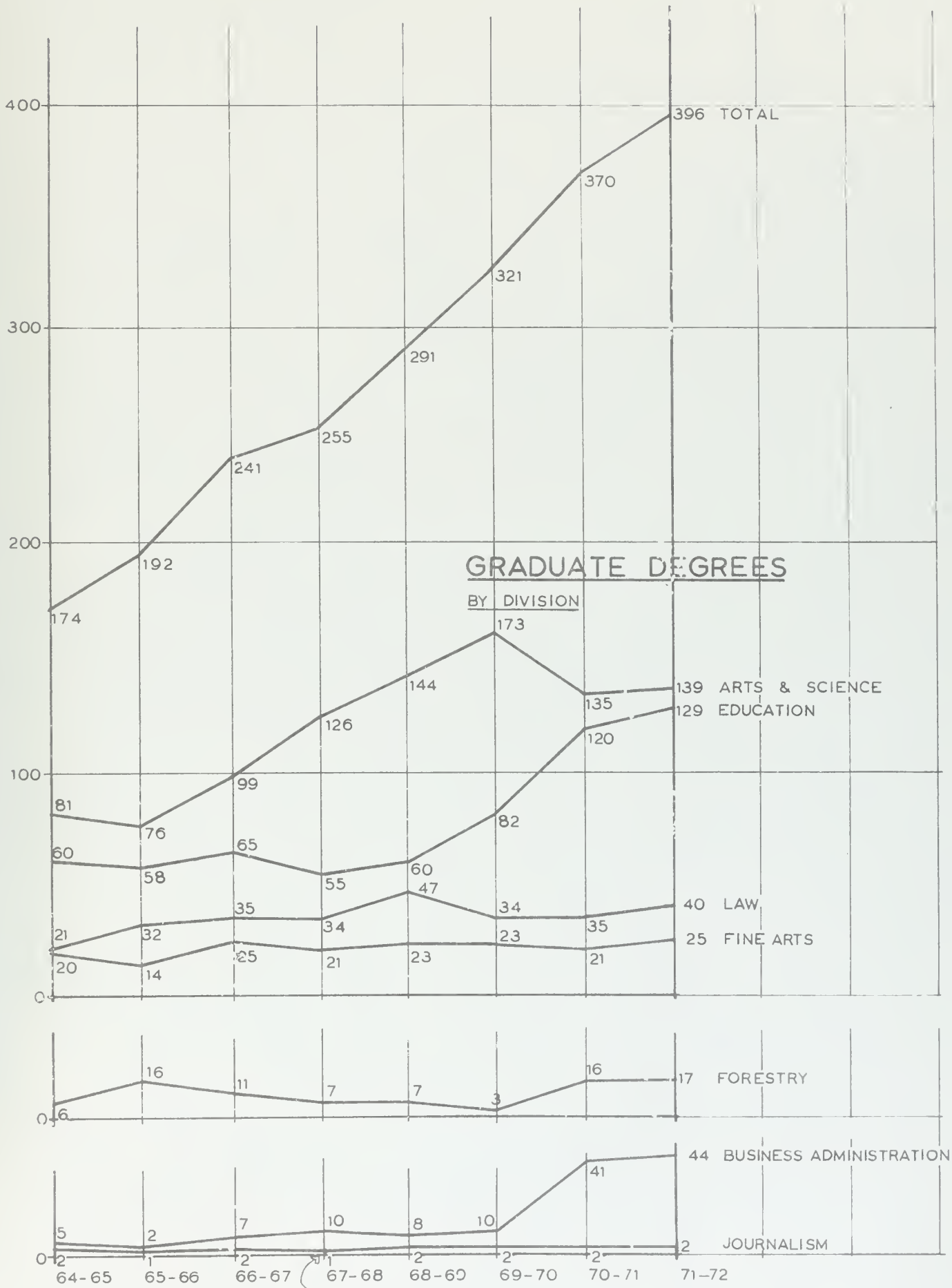
Ph.D., Ed.D., or Juris Doctor

1964-65	2			2					4
1965-66	2			2				31	35
1966-67	10			7				32	49
1967-68	5			10				33	48
1968-69	13			7				47	67
1969-70	14			9				34	58
1970-71	13			14	5			35	67
1971-72	23			11				40	74



UNIVERSITY OF MONTANA


1266
1265 TOTAL
1200
1120
1100
1000
976
UNDERGRADUATE DEGREES
925
900
892
868
800
780
700
64-65
65-66
66-67
67-68
68-69
69-70
70-71
71-72



UNIVERSITY OF MONTANA

WESTERN MONTANA COLLEGE

Dillon, Montana

WESTERN MONTANA COLLEGE

Statement of Role and Scope

Western Montana College offers preparation for and grants the academic degrees of Bachelor of Science in Elementary Education and in Secondary Education which qualify the holders for the corresponding Montana Standard Certificates. Western also offers advanced professional training leading to the Montana Professional Certificate and the Master's degree in Education. In addition Western offers one and two years of general college and pre-professional curricula for those preparing for fields other than teaching.

Liberal arts degrees in English and in History were approved by the Board of Regents of the Montana University System in April, 1970. The addition of the liberal arts degree enables an institution which has been single purpose to better serve its clientele. There are students who discover at the junior or senior level that they have little to offer teaching or that teaching has little to offer them. Western is now able to provide these people an alternative without forcing a transfer and the meeting of residence requirements elsewhere. The presence of the alternate routes serves to complement and strengthen both.

Following is an excerpt from the minutes of the Board of Regents, Montana University System, July 10, 1972:

> "THAT, the units of the Montana University System be authorized to grant the Associate of Arts and Associate of Science Degrees within the framework of the academic programs presently in existence at each of the units, or at the completion of presently authorized two or three-year diploma or certificate programs."

As the roles of higher education and individual institutions continue to evolve, the guidelines for the determination of possible changes in role and scope of an institution such as Western should be flexible enough to permit the institution to meet its obligations as an integral part of the Montana University System in serving the State of Montana. This may call for a framework of both the Bachelor of Arts and the Bachelor of Science programs with majors in other departments as the enrollment increases.

WESTERN MONTANA COLLEGE

Extension and Public Service Statement

Western Montana College cooperates in various community services, these include the following.

NDEA Institutes: Federally funded programs using the college facilities to encourage teachers to train the disadvantaged Indian. Fifty teachers from various states participated with their 100 dependents.

Summer Recreation Program: The City of Dillon sponsors a swimming program for the youth and adults of this area. They use the college swimming pool and other facilities at a very minimum maintenance charge.

Multiple use of College owned playing field: The City of Dillon, Beaverhead County High School, the Dillon Jaycees and Western Montana College cooperate in many ways. Some of which include: scheduling football games, track events and baseball games for the high school, city recreation department and the college. The maintenance costs of this facility are shared by all the various organizations so that it is a service to the entire community.

Community Concert Program: Western Montana College offers the auditorium for the Community Concert season. The Central Board of Students of Western Montana College and the local concert association share in the expense of entertainment. The maintenance costs are borne by WMC.

WESTERN MONTANA COLLEGE

Research Statement

Western Montana College has not been assigned a research function by the Board of Regents and no budget allocation has been made for research.

A number of faculty members have involved themselves in independent research projects and have at times secured outside grants. The research has been secondary to teaching and although research is encouraged on the part of faculty members, no release time from teaching has been granted for research. Some faculty members have made a very creditable showing. Although the institution has not invested in the research of faculty members it benefits from their efforts.

ENROLLMENT

In Fall Quarter of Each Year

Western Montana College
Dillon, Montana

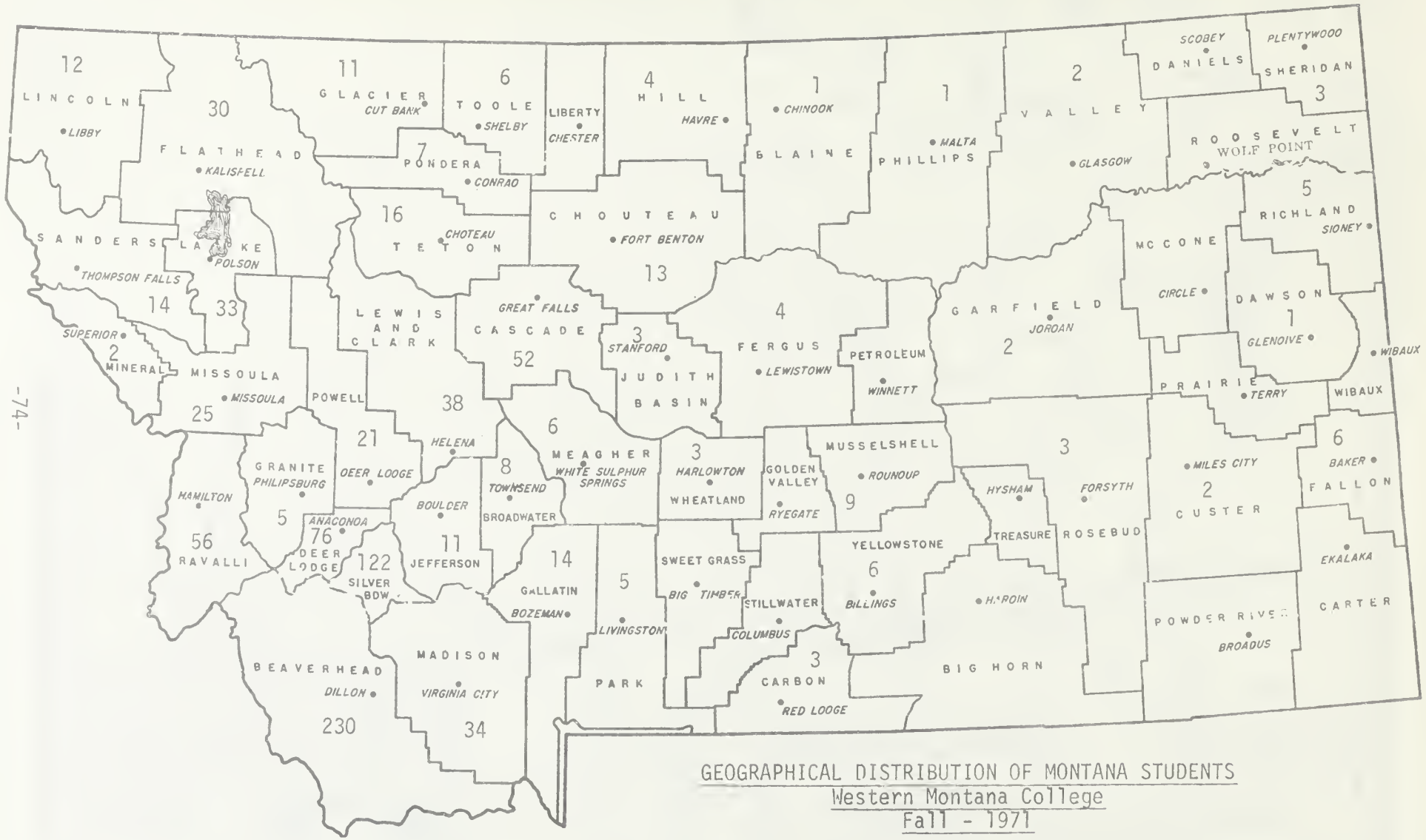
Undergraduate

Year	Elementary Education	Secondary Education	Liberal Arts	Two-Yr. Programs	Total
1964-65	184	373		134	691
1965-66	197	431		167	795
1966-67	190	410		255	855
1967-68	187	514		131	832
1968-69	219	568		112	899
1969-70	280	598		148	1,026
1970-71	293	549	29	129	1,000
1971-72	291	446	8	176	921

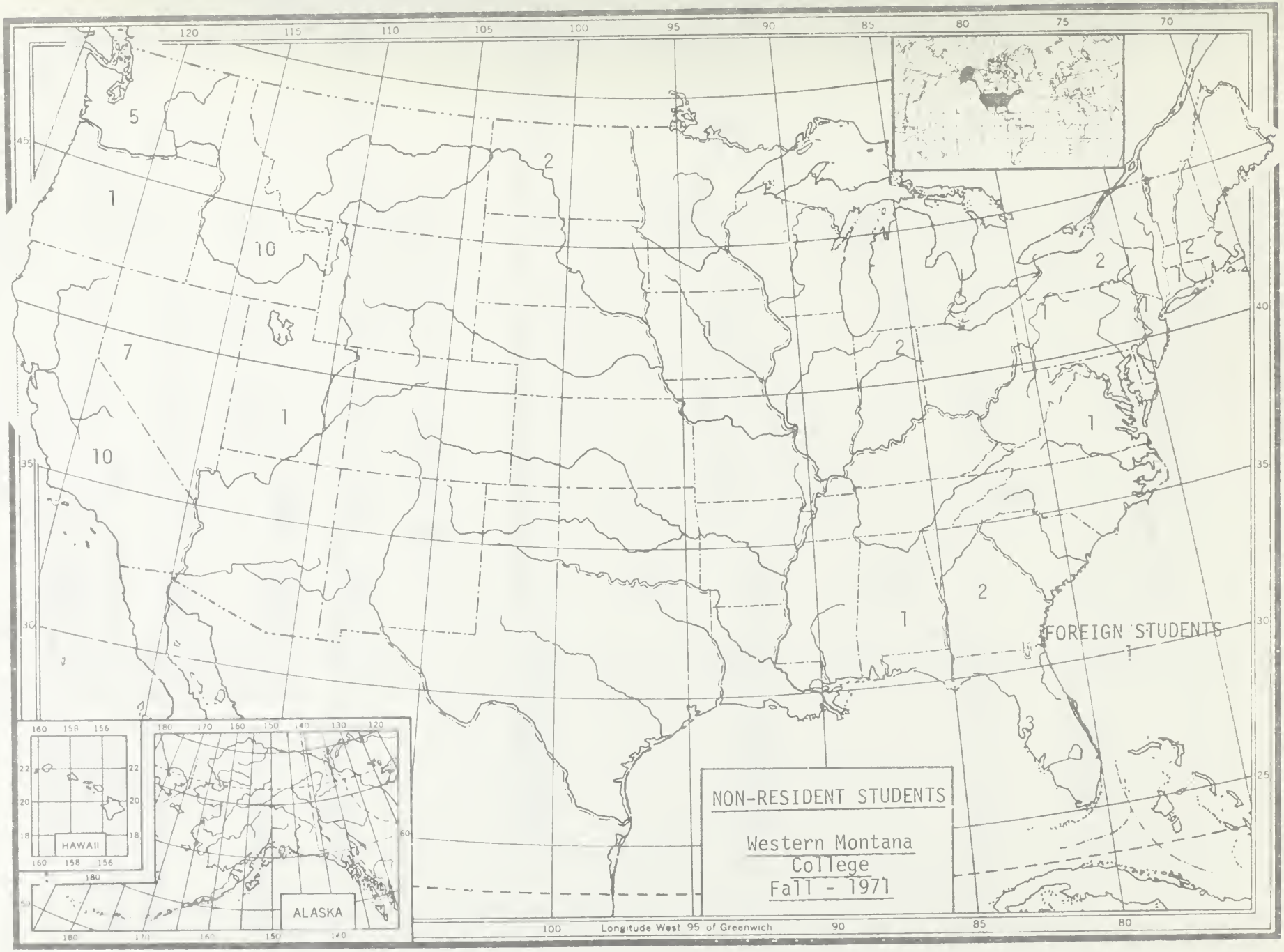
Masters

	Education	
1964-65	28	28
1965-66	24	24
1966-67	54	54
1967-68	80	80
1968-69	63	63
1969-70	46	46
1970-71	42	42
1971-72	38	38

MONTANA

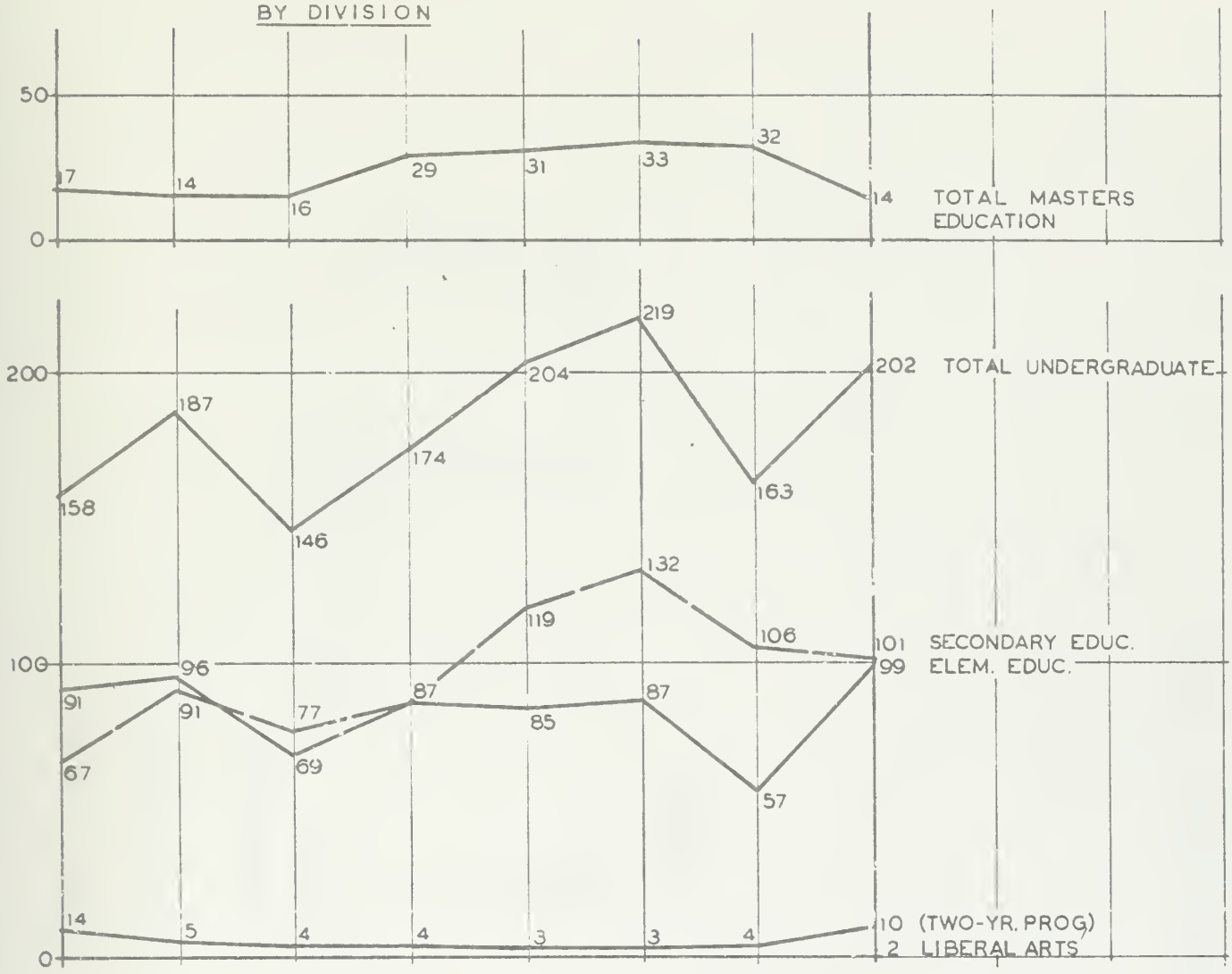


GEOGRAPHICAL DISTRIBUTION OF MONTANA STUDENTS
Western Montana College
Fall - 1971


NON-RESIDENT STUDENTS
Western Montana
College
Fall - 1971
FOREIGN STUDENTS
HAWAII
ALASKA
Longitude West 95 of Greenwich

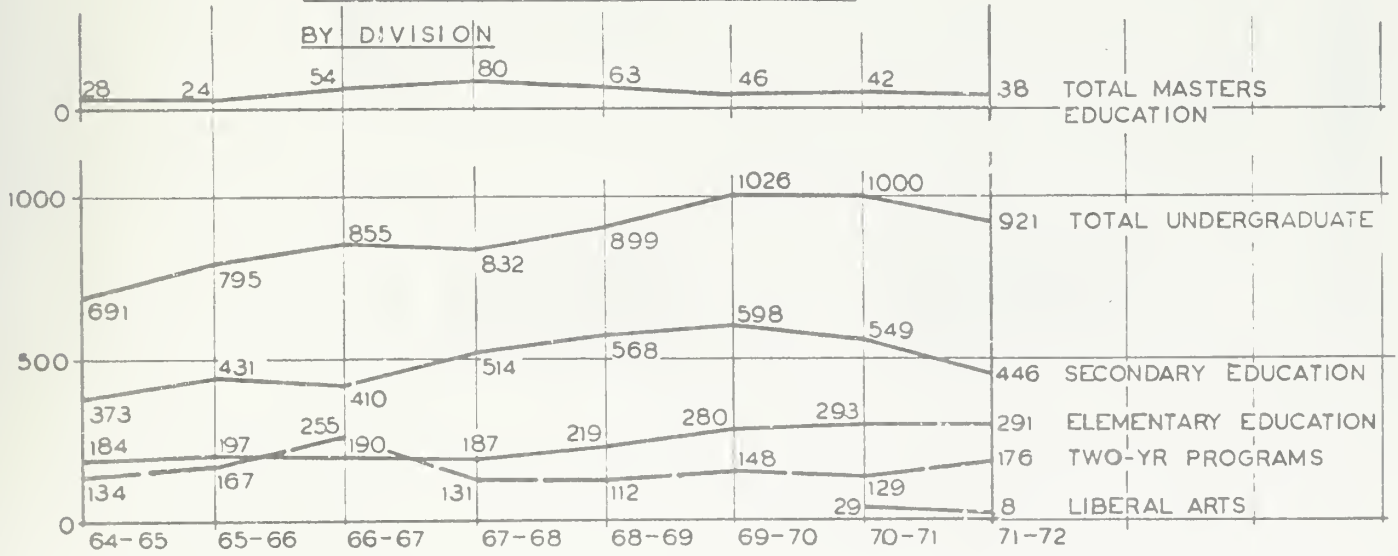
DEGREES

BY DIVISION



ENROLLMENT

BY DIVISION



DEGREES GRANTED

Western Montana College
Dillon, Montana

Undergraduate

Year	Elementary Education	Secondary Education	Liberal Arts	Two-Yr. Programs	Total
1964-65	91	67		(14)	158
1965-66	96	91		(5)	187
1966-67	69	77		(4)	146
1967-68	87	87		(4)	174
1968-69	85	119		(3)	204
1969-70	87	132		(3)	219
1970-71	57	106		(4)	163
1971-72	99	101	2	(10)	202

Masters

	Education	
1964-65	17	17
1965-66	14	14
1966-67	16	16
1967-68	29	29
1968-69	31	31
1969-70	33	33
1970-71	32	32
1971-72	14	14

(Figures in parenthesis not counted in degree totals)

ACADEMIC PROGRAMS

All Units

MONTANA UNIVERSITY SYSTEM

Academic Programs

EASTERN MONTANA COLLEGE

Master of Science in Education
- Early Childhood Education
- Elementary Art
- Elementary Education
- Elementary English
- Elementary Mathematics
- Library Science
- Reading
- Social Studies
- General Curriculum
- Guidance and Counseling
- Special Education
  - Learning Disabilities
  - Mentally Retarded
  - Physically Handicapped

Master of Science in Rehabilitation Counseling

Bachelor of Science in Education
- Elementary Education
- Special Education (Elementary)
- Special Education (Secondary)
- Secondary Education (Majors)
  - Art
  - Biological Sciences
  - Biology
  - Business Education
  - Chemistry
  - English
  - Area Science
  - German
  - Health, Physical Education & Recreation
  - History
  - Mathematics
  - Music
  - Physical Science
  - Physics
  - Social Science

Bachelor of Arts
- Art
- Biology
- Chemistry
- English
- General Business
- German
- History
- Mathematics
- Music
- Psychology

Eastern Montana College (Cont.)

Bachelor of Science
- Biology
- Chemistry
- General Business
- Mathematics
- Psychology

MONTANA COLLEGE OF MINERAL SCIENCE AND TECHNOLOGY

Master of Science
- Engineering Science
- Geology
- Geological Engineering
- Geophysical Engineering
- Metallurgy
- Metallurgical Engineering
- Mineral Dressing
- Mineral Dressing Engineering
- Mining Engineering
- Petroleum Engineering

Bachelor of Science
- Chemistry
- Engineering Science
- Environmental Engineering
- Geophysical Engineering
- Geological Engineering
- Mathematics
- Metallurgical Engineering
- Mineral Dressing Engineering
- Mining Engineering
- Petroleum Engineering

Bachelor of Arts
- English
- History

MONTANA STATE UNIVERSITY

Doctor of Education
Doctor of Philosophy
- Aerospace and Mechanical Engineering
- Agricultural Economics
- Biochemistry
- Botany
- Chemical Engineering
- Chemistry
- Civil Engineering
- Crop and Soil Science
- Education
- Electrical Engineering
- Entomology
- Fish and Wildlife Management
- Genetics
- Mathematics
- Microbiology
- Physics
- Plant Pathology
- Veterinary Science
- Zoology

Master of Arts
- Art
- History

Master of Science
- Aerospace and Mechanical Engineering
- Agricultural Economics
- Agricultural Education
- Agricultural Engineering
- Agronomy
- Animal Science
- Botany
- Business Education
- Chemical Engineering
- Chemistry
- Civil Engineering
- Earth Sciences
- Education
- Electrical Engineering
- Entomology
- Fish and Wildlife Management
- Home Economics
- Industrial and Management Engineering
- Mathematics
- Microbiology
- Physical Education
- Physics
- Psychology
- Range Management
- Soils
- Veterinary Science
- Zoology

Montana State University (cont.)

Master of Science in Applied Science
Master of Education
Master of Applied Art
Master of Nursing

Bachelor of Arts
- Art
- English
- Government
- History
- Modern Languages
  - French
  - Spanish
  - German
- Philosophy
- Speech
- Theatre Arts

Bachelor of Architecture
Bachelor of Music Education
Bachelor of Science
- Agricultural Business
- Agricultural Education
- Agricultural Production
- Agricultural Science
- Elementary Education
- Secondary Education
- Physical Education
- Aerospace and Mechanical Engineering
- Agricultural Engineering
- Chemical Engineering
  (with option in Petroleum refining)
- Civil Engineering
- Construction Technology
- Electrical Engineering
- Engineering Science
- Industrial and Management Engineering
- Mechanical Technology
- Botany
- Chemistry
- Earth Sciences
- Economics
- Fish and Wildlife Management
- Mathematics
- Microbiology
- Physics
- PreMedicine
- Psychology
- Sociology
- Zoology
- Commerce(Business Education)
- Film and Television Production
- Home Economics
- Industrial Arts
- Nursing

NORTHERN MONTANA COLLEGE

Master of Science in Elementary Education
Master of Science in Vocational Education

Bachelor of Science in Elementary Education
Bachelor of Science in Secondary Education
- Business Education
- English
- English - Extended
- Health & Physical Education - Extended
- History & Social Science
- History & Social Science - Broad-Field
- Industrial Arts
- Industrial Arts - Broad-Field
- Mathematics
- Physical Education
- Area Science

Bachelor of Science in Vocational-Technical Education
- Automotive Mechanics
- Drafting
- Electronics
- Trade & Technical

Bachelor of Arts
- English
- History

Associate Degrees:
- Associate Degree in Nursing (2 years plus one summer)
- Associate Degree in Technology
  - Chemical Technology (3 years)
  - Construction Engineering Technology (3 years)
  - Electronics Engineering Technology (3 years)

Diplomas & Certificates:
- Diploma in General Studies (All 2 years unless indicated otherwise)
  - Agriculture (1 year)
  - Business Administration
  - Engineering
  - Fish & Wildlife Management
  - Forestry (1 year)
  - Health Arts:
    - Chiropractic
    - Dentistry
    - Medicine
    - Optometry
    - Veterinary Medicine
  - Home Economics
  - Law
  - Liberal Arts
  - Medical Technology
  - Nursing
  - Pharmacy
  - Secretarial Science:
    - General
    - Legal
    - Medical

Northern Montana College (cont.)

Certificates in Vocational-Technical (All 2 years unless indicated otherwise)
- Agribusiness
  - General
  - Farm & Ranch Management
  - Agriservices
- Automotice Mechanics
  - General
  - Body
  - Diagnostic
- Cosmetology
- Diesel Technology
- Drafting Technology
- Electrical Technology
- Electronics Technology
- Practical Nursing (12 months)

UNIVERSITY OF MONTANA

Doctor of Philosophy
- Botany
- Chemistry
- Forestry
- Geology
- History
- Mathematics
- Microbiology
- Pharmacy
- Psychology
- Sociology
- Zoology

Doctor of Education
- Education
- Music Education

Juris Doctor

Master of Arts
- Anthropology
- Art
- Botany
- Chemistry
- Drama
- Economics
- Education
- English
- Environmental Studies
- French
- Geography
- Geology
- German
- Guidance and Counseling

University of Montana (cont.)

Master of Arts (cont.)
- Health & Physical Education
- History
- Journalism
- Mathematics
- Microbiology
- Music History & Literature
- Philosophy
- Physics
- Political Science
- Psychology
- Recreation
- Sociology
- Spanish
- Speech Communication
- Speech Pathology & Audiology
- Zoology

Master of Science
- Biochemistry
- Botany
- Business Administration
- Chemistry
- Computer Systems for Business
- Forestry
- Geology
- Health & Physical Education
- Mathematics
- Microbiology
- Pharmacy
- Physics
- Recreation
- Resource Conservation
- Wildlife Biology
- Zoology

Master of Arts for Teachers of English

Master of Science for Teachers of
- Biological Science
- Chemistry
- Health, Physical
- Mathematics

Master of Business Administration

Master of Education

Master of Fine Arts
- Art
- Creative Writing
- Drama

Master of Forestry

Master of Music
- Performance
- Composition

Master of Music Education
- Elementary Music Administration
- Secondary School Conducting & Administration

University of Montana (cont.)

Master of Resource Administration
Master of Speech Communication
Master of Speech Pathology & Audiology
Master of Urban Studies

Bachelor of Arts
- Anthropology
- Astronomy
- Biology
- Botany
- Chemistry
- Classics
- Economics
- Economics-Political Science
- Economics-Sociology
- English
- French
- Geography
- Geology
- German
- Health & Physical Education
- History
- History-Political Science
- Home Economics
- Italian
- Latin
- Liberal Arts
- Mathematics
- Microbiology
- Philosophy
- Physics
- Political Science
- Pre-Medical Sciences
- Psychology
- Recreation
- Russian
- Social Welfare
- Sociology
- Spanish
- Speech Communication
- Speech Pathology & Audiology
- Zoology
- Art
- Drama
- Music

Bachelor of Science
- Chemistry
- Computer Science
- Health & Physical Education
- Recreation
- Home Economics

University of Montana (cont.)

Bachelor of Arts in Business Administration
Bachelor of Arts in Education
- Elementary
- Secondary
  - Art
  - Biological Sciences
  - Business Administration
  - Chemistry
  - Communication Skills
  - Computer Science
  - Drama
  - Earth Science
  - Economics
  - English
  - French
  - General Science
  - Geography
  - German
  - Health & Physical Education
  - History-Political Science
  - Home Economics
  - Italian
  - Journalism
  - Latin
  - Mathematics
  - Music
  - Physics
  - Psychology
  - Russian
  - Social Science
  - Sociology
  - Spanish
  - Speech

Bachelor of Arts in Journalism
Bachelor of Arts in Radio-Television
Bachelor of Science in Medical Technology
Bachelor of Science in Physical Therapy
Bachelor of Science in Wildlife
Bachelor of Science in Business
Bachelor of Science in Forestry
Bachelor of Science in Resource Conservation
Bachelor of Science in Pharmacy
Bachelor of Fine Arts
- Art
- Drama

Bachelor of Music
- Performance & Theory
- Composition

Bachelor of Music Education
- Elementary Music
- Choral Conducting
- Instrumental Conducting
- Choral & Instrumental Conducting
- Music Administration

WESTERN MONTANA COLLEGE

Master of Science in Education
Fifth-Year of Professional Study
(Preparation for Montana Professional Certificate, Class I)

Bachelor of Science in Secondary Education
- Art
- Music
- Business
- Industrial Arts
- English
- Health, Physical Education & Recreation
  - Men
  - Women
- History and the Social Sciences
- Mathematics
- Science
  - Biological
  - Physical

Bachelor of Science in Elementary Education
Bachelor of Arts
- History
- English

Business Certificate (2 years)
Preparatory
- General College
- Basic and Pre-Professional Curricula